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On-Scene Coordinator's Report IRP Sites 12B and 23

Naval Base Ventura County Construction Battalion Site Port Hueneme, California

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ON-SCENE COORDINATOR'S REPORT FOR SOIL REMOVAL AND DISPOSAL FOR THE CERCLA NON-TIME-CRITICAL REMOVAL ACTION

IRP Sites 12B and 23 Naval Base Ventura County Construction Battalion Center Port Hueneme, California

October 2004

Prepared for

DEPARTMENT OF THE NAVY



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- C Draft Non-Time Critical Removal Action Report At Installation Restoration Program Sites 12B And Disposal Of PCB-Contaminated Soil, Naval Base Ventura County, Port Hueneme Site, California (Prepared By Cape, November 2002) (Provided on compact disc only)

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ACRONYMS AND ABBREVIATIONS

μg/kg Micrograms per kilogram

ARAR Applicable or relevant and appropriate requirement

bcy Bank cubic yards bgs Below ground surface

40 CFR Code of Federal Regulations

Cape Cape Environmental Management, Inc.

CBC Construction Battalion Center

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

DTSC Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency EE/CA Engineering evaluation and cost analysis

Geofon Geofon, Inc.

HI Hazard index

IRP Installation Restoration Program

mg/kg Milligram per kilogram

Navy U.S. Department of the Navy NBVC Naval Base Ventura County

OPNAVINST Office of the Chief of Naval Operations Instruction

OSC On-scene coordinator

PCB Polychlorinated biphenyl

PRC PRC Environmental Management, Inc.

PRG Preliminary remediation goal

ppm Parts per million

RAB Restoration advisory board RAO Remedial action objective

Tetra Tech Tetra Tech EM Inc.

UCL₉₅ 95 percent upper confidence limit

USC United States Code

EXECUTIVE SUMMARY

SITE IDENTIFICATION: Installation Restoration Program Site 12B – Construction Engineering Department Polychlorinated Biphenyl Spill Area and IRP Site 23 – Surface Targets, Scrap Metal Yard

LOCATION: Naval Base Ventura County

Port Hueneme Site, California

SITE STATUS: Non-National Priority List

CATEGORY OF REMOVAL: Non-Time-Critical Removal Action

REMOVAL DATES: March 6, 2002 – August 30, 2002

INCIDENT DESCRIPTION: Installation Restoration Program (IRP) Sites 12B and 23 are at Naval Base Ventura County, Construction Battalion Center in Port Hueneme, California, which serves as a storage and mobilization area for military construction personnel and equipment. Construction Battalion Center is not on the National Priorities List.

IRP Site 12B was used to service generators and transformers between the early 1970s and 1980. During maintenance activities, the dielectric fluid was removed from generators and transformers and filtered to reduce the moisture content and other impurities. An estimated total of 500 to 600 gallons of polychlorinated biphenyl (PCB)-containing dielectric fluid was spilled at the site resulting in impacts to surface soil.

For many years before 1986, IRP Site 23 was used as a scrap metal accumulation area and as a temporary storage for Navy surface targets. The available information does not indicate a specific spill event or source. However, the PCBs in surface soil are assumed to be associated with the storage of scrap metal and/or equipment.

The U.S. Department of the Navy (Navy) has conducted environmental studies at Sites 12B and 23 as part of the IRP at Construction Battalion Center. Assessments and risk evaluations were conducted to evaluate the nature and extent of PCB impacts to surface soil and the potential cancer and noncancer risks to human health and the environment. These assessments indicated a noncancer hazard index for a resident receptor greater than the threshold of 1, and therefore a potential for adverse health effects. A surface soil removal action at IRP Sites 12B and 23 was then warranted. The selected removal action, excavation and off-site disposal, was documented in an engineering evaluation/cost analysis (EE/CA). The EE/CA

action limit for PCBs, which was the U.S. Environmental Protection Agency Region 9 industrial soil PRG at the time. After completion of the EE/CA (Tetra Tech EM Inc. 1998) but before contracting Geofon, Inc. and Cape Environmental Management, Inc., the Navy changed the

action limit for each site from that identified in the EE/CA to 1.0 milligrams per kilogram (mg/kg), as specified in Title 40 *Code of Federal Regulations* (40 CFR) Section 761.61, a chemical-specific applicable or relevant and appropriate requirement. The Navy determined that 40 CFR Section 761.61(a)(4) is a chemical-specific relevant and appropriate requirement for PCBs and therefore changed the remedial action objective to the Toxic Substances Control Act criterion for high-occupancy sites of 1.0 mg/kg for PCBs.

The removal action was designated as a non-time-critical removal action because its planning period was greater than 6 months. During the planning period, the Navy initiated dialogue with the California Environmental Protection Agency's Department of Toxic Substances Control, the lead state agency, and sought its concurrence. Based on this dialogue, the Navy decided to perform a non-time-critical removal action to limit potential exposure to PCBs in soils associated with IRP Sites 12B and 23 by removing soils with PCB concentrations above the action level of 1.0 mg/kg.

ACTIONS: The Naval Facilities Engineering Command, Southwest Division contracted Geofon, Inc. to conduct removal action activities at IRP Sites 12B and 23 under Contract No. N68711-97-D-8702, Delivery Order No. 0026. Geofon, Inc. mobilized to the site on March 5, 2002, and began site preparation activities including utility clearance and surveying. Excavation and stockpiling of PCB-contaminated soil at IRP sites 12B and 23 began on March 6 and was conducted through March 27, 2002. Several excavation iterations were conducted during this period at IRP Site 12B based on confirmation sample results exceeding the action level. Approximately 1,677 tons of PCB-contaminated soil were removed from IRP Sites 12B and 23 by Geofon, Inc. and disposed of at an approved facility in Kettleman City, California. Confirmation sampling data collected at IRP Site 23 indicated that soils with PCB concentrations above the action level of 1 mg/kg (1,000 micrograms per liter [μg/kg]) were removed. Confirmation soil samples from IRP Site 12B indicated that clean soil existed at the bottom of all excavations; however, soil exceeding the action level still existed to an unknown areal extent. Geofon backfilled both sites with clean soil and demobilized from the site on May 7, 2002.

To address soil remaining in place above action levels at IRP Site 12B, Naval Facilities Engineering Command, Southwest Division contracted Cape Environmental Management, Inc. to conduct additional removal activities under Contract No. N68711-01-D-6003, Contract Task Order No. 002. Cape Environmental Management, Inc. mobilized to the site on August 18, 2002, and began site preparation activities. Excavation and stockpiling of PCB-contaminated soil at IRP Site 12B was conducted from August 21 through August 26, 2002. Approximately 2,093 additional tons of PCB-contaminated soil were removed from IRP Site 12B and disposed of at the approved facility in Kettleman City, California. Confirmation sampling data collected at IRP Site 12B indicated that, except at an isolated location where a previous sample (475-13) was collected, soils with PCB concentrations above the action level of 1 mg/kg (1,000 μg/kg) were removed with the exception of approximately 150 cubic yards of contaminated soil adjacent to and underneath Building 816 at IRP Site 12B. This soil does not appear to pose a threat to human health or the environment in its present state, but could be removed and disposed of if the Navy were to demolish the building in the future. Cape Environmental Management, Inc. backfilled IRP Site 12B with clean soil and demobilized from the site on August 30, 2002.

RESULTS: A human health risk assessment incorporating postremoval action confirmation sampling results was prepared by Tetra Tech EM Inc. Based on results of the risk assessment, the Navy recommends closure with institutional controls for IRP Site 12B and closure with no further action for IRP Site 23.

1.0 INTRODUCTION

The U.S. Department of the Navy (Navy), Naval Facilities Engineering Command, Southwest Division, authorized Tetra Tech EM Inc. (Tetra Tech) to prepare an On-Scene Coordinator (OSC) report for Naval Base Ventura County (NBVC), Construction Battalion Center (CBC) in Port Hueneme, California, under Delivery Order No. 0039 of Contract No. N68711-00-D-0005, the Indefinite Quantity Contract for Architectural-Engineering Services to Provide CERCLA/RCRA/UST Studies. Tetra Tech did not have full-time representation at Sites 12B and 23 during removal activities. This OSC report is based on information provided by Geofon, Inc. (Geofon), Cape Environmental Management, Inc. (Cape), and the Navy's Resident Engineer in Charge of Construction. This OSC report was prepared consistent with the U.S. Environmental Protection Agency's (EPA) "Superfund Removal Procedures, Removal Response Reporting: POLREPs and OSC Reports" (EPA 1994).

This OSC report addresses Sites 12B and 23 at CBC in Port Hueneme, California. The Navy has conducted environmental studies at Sites 12B (Maintenance Shop Area) and 23 (Surface Targets – Scrap Metal Yard) as part of the Installation Restoration Program (IRP) at CBC. The IRP, a program to identify, assess, and clean up or control contamination from past hazardous waste disposal operations and hazardous materials management practices, follows the same steps and requirements as the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program. The Navy is conducting the IRP at CBC in accordance with the "Department of the Navy Installation Restoration Manual" (Navy 2001).

This OSC report describes soil removal and disposal activities associated with a two-part non-time-critical removal action performed at IRP Sites 12B and 23 located at CBC. The removal action was conducted between March and August 2002 and was designated as non-time-critical because its planning period was greater than 6 months. The Navy first contracted Geofon (December 2001 to May 2002) and then Cape (August 2002) to perform the removal action. The non-time-critical removal action resulted in no further action required at Sites 12B and 23.

The OSC report provides a written summary of the removal action, recording the situation as it developed, the actions taken, their effectiveness, the resources committed, and the problems encountered. OSC recommendations are summarized. The report serves as the primary vehicle for conveying important information on technologies used and lessons learned at the site to other OSCs and to Superfund managers.

2.0 SUMMARY OF EVENTS

This section provides information regarding site conditions and background, response organization, injuries to natural resources, chronological narrative of response actions, and resources committed.

2.1 SITE CONDITIONS AND BACKGROUND

CBC consists of 1,615 acres of costal land situated approximately 5 miles northwest of the Santa Monica Mountains. The installation is situated east of the unincorporated Channel Islands, south of the City of Oxnard and northwest of the City of Port Hueneme (see Figure 1-1). Although there are other tenant organizations on base, the primary mission of CBC is to serve as a storage and mobilization area for military construction personnel and equipment.

CBC is a federally owned facility operated and managed by the Navy. Officially established in May 1942, Port Hueneme was built as a temporary depot to support the Navy's construction needs in the Pacific during World War II. CBC is an integral part of the west coast military defense system and is the only Navy-owned deep-water port between Los Angeles and San Francisco, California. Currently, the facility is divided into home-ported and deployed functions that include military and technical training, outfitting of the Naval Mobile Construction Battalions and Seabee teams, supply and administrative services, and logistic support in the deployment of the Pacific Naval Construction Force. CBC is also host command to tenant activities and lessees, such as Civil Engineering Corps Officer School and Cal-Pacific Drilling. Fluctuations in growth of the base reflect increased mobilization activity associated with World War II, the Korean War, and the Vietnam War. Most existing facilities were constructed to support these periods of mobilization. The facility currently consists of approximately 750 buildings and supports a work force of more than 10,000 individuals.

The locations of IRP Sites 12B and 23 are presented on Figure 2-1. The following sections describe the initial situation, location of hazardous substances, cause of release or discharge, and the Navy's efforts to respond to the releases or discharges for IRP Sites 12B and 23.

2.1.1 Initial Situation

CBC is not a National Priorities List site. IRP Sites 12B and 23 have not been ranked using the Hazard Ranking System and the Agency for Toxic Substances and Disease Registry has not conducted a public health assessment at these sites, which is required only for National Priorities List sites.

2.1.1.1 IRP Site 12B-Construction Equipment Department PCB Spill Area

IRP Site 12B is located north of 32nd Avenue, between Victoria Avenue and Pennsylvania Road in the western portion of the base (Figures 2-1 and 2-2). The site has consisted of an asphalt-covered, rectangular-shaped area bounded by Building 816 on the east and Building 1192 on the west. Between the early 1970s and 1980, IRP Site 12B was used to service generators and transformers. The site is used occasionally as a parking area for large vehicles.

This site is approximately 17,450 square feet in size, and is located in an industrial area. The site is covered with asphalt and a concrete apron. Site 12B is underlain by unconsolidated sands, silts, and clays. Water level measurements from nearby groundwater monitoring wells indicate

that depth to groundwater is approximately 4 to 7 feet below ground surface (bgs) and is tidally affected. As a result of tidal effects, groundwater flow directions vary from south to southeast. IRP Site 12B is located in an industrial area with the closest residential area approximately 1,000 feet to the south (Navy 2002). The habitat near the site is highly altered and disturbed from previous human activities with no sensitive ecosystems identified near the site (PRC Environmental Management, Inc. [PRC] 1993).

2.1.1.2 IRP Site 23 – Surface Targets

IRP Site 23 consists of a flat, unpaved, roughly triangular area located in the southwestern portion of CBC (Figures 2-1 and 2-3). Hueneme Harbor lies approximately 800 feet east of IRP Site 23. IRP Site 23 was used as a scrap metal accumulation area and as a temporary storage area for Navy surface targets for many years before 1986. The area was cleared of materials in 1991 (PRC and Montgomery Watson 1996), and there are no surface targets (targets for Navy artillery fire) or any other materials currently stored at the site.

This 6,500-square-foot site is an open area adjacent to industrial areas. Access to the site is restricted by a chain-link fence on the north and east sides and stacked cargo containers on the southwest side. Site 12B is underlain by silty-sand and sand fill. Water level measurements from nearby groundwater monitoring wells indicate that depth to groundwater is approximately 7 feet bgs and is not tidally affected. The closest residential areas are approximately 300 feet to the southwest (Navy 2002). The habitat near the site is highly altered and disturbed from previous human activities with no sensitive ecosystems identified near the site (PRC 1993).

2.1.2 Location of Hazardous Substances

This section specifies areas of concern on site and indicates water sources that were contaminated or threatened, if applicable.

2.1.2.1 IRP Site 12B – Construction Equipment Department PCB Spill Area

Results of previous sampling events at IRP Site 12B indicated that polychlorinated biphenyls (PCB), including Aroclor-1254 and Aroclor-1260, were detected in surface soils at concentrations ranging from 0.052 to 2.7 milligrams per kilogram (mg/kg). PCBs were estimated to be present in surface soil through IRP Site 12B, an approximately 17,450-square-foot area. The results of the basewide groundwater investigation indicated that groundwater has not been adversely impacted at IRP Site 12B (Tetra Tech 2001).

2.1.2.2 IRP Site 23 – Surface Targets

Results of previous sampling events at IRP Site 23 indicated that PCBs were detected at concentrations ranging from 0.12 to 13.8 mg/kg, predominantly within the surface soils (3 to 5 inches bgs) at isolated locations and within small areas, totaling approximately 1,050 square

feet. The results of the basewide groundwater investigation indicated that groundwater has not been adversely impacted at IRP Site 23 (Tetra Tech 2001).

2.1.3 Cause of Release or Discharge

The facts concerning the cause or threat of the release or discharge, and the activities that may have contributed to the incident are described in this section.

2.1.3.1 IRP Site 12B – Construction Equipment Department PCB Spill Area

IRP Site 12B was used to service generators and transformers between the early 1970s and 1980. During maintenance activities, the dielectric fluid was removed from generators and transformers and filtered to reduce the moisture content and other impurities. Up to 10 gallons of dielectric fluid was spilled onto the ground during each generator and transformer service (PRC 1993). An estimated total of 500 to 600 gallons of PCB-containing dielectric fluid was spilled at the site. The initial assessment study conducted in 1985, reported that the spills were cleaned up with rags that were disposed of off site (PRC 1993).

2.1.3.2 IRP Site 23 – Surface Targets

For many years before 1986, IRP Site 23 was used as a scrap metal accumulation area and as a temporary storage for Navy surface targets. The available information does not indicate a specific spill event or source. However, the PCBs in surface soil are assumed to be associated with the storage of scrap metal and/or equipment.

2.1.4 Navy Efforts to Respond

Actions taken to locate responsible or potentially responsible parties and to obtain from them a prompt and proper response are described in this section.

The removal actions at IRP Sites 12B and 23 were conducted by the Navy as part of the ongoing IRP. The U.S. Department of Defense used the authority to undertake CERCLA response actions, including removal actions, under Title 42 of the *United States Code* (USC) Section 9604, Title 10 of the USC Section 2705, and Federal Executive Order No. 12580. As the lead federal agency, the Navy is conducting the IRP at CBC. All PCB releases at these two sites are believed to be related to Navy activities.

2.1.4.1 Previous Removal Action

There have been no previous removal actions at IRP Sites 12B and 23. However, Site 23 was cleared of stored materials in 1991 (PRC and Montgomery Watson 1996), and there are no surface targets (targets for Navy artillery fire) or any other materials currently stored at the site.

2.1.4.2 Previous Investigations

Previous environmental investigations and evaluations have been previously conducted for IRP Sites 12B and 23. These activities are described in detail in the following reports:

- "Installation Restoration Program Removal Evaluation, Site 5, 6, 12, 13, and 15, Draft Final Report" (PRC 1993)
- "Final Site Inspection Report, Sites 4, 8, 10, 11, 16, 18, 22, and 23, Naval Construction Battalion Center, Port Hueneme, California" (PRC and Montgomery Watson 1996)
- "Technical Memorandum, Supplemental Sampling and Analysis, IRP Sites 5, 6, 12B, and 13, NCBC Port Hueneme" (PRC 1997)
- "Final Engineering Evaluation and Cost Analysis, Non-Time-Critical Removal Action for IRP Sites 9, 12B, and 23, NCBC Port Hueneme, California" (Tetra Tech 1998)

2.1.4.3 Streamlined Risk Evaluation

The 1993 removal evaluation conducted by Tetra Tech (formerly PRC Environmental Management, Inc.) indicated that analytical results for PCBs at IRP Site 12B exceeded screening levels published by California Environmental Protection Agency's Department of Toxic Substance Control (DTSC) in preliminary endangerment assessment guidance documents. Consequently, a risk assessment was performed to evaluate potential threats to humans at the site and surrounding areas. Results of the screening-level risk evaluation conducted at IRP Site 12B showed that the cancer risk associated with exposure to PCBs at the site was within the risk management range of 1×10^{-4} to 1×10^{-6} , but noncancer risk exceeded the threshold hazard index (HI) of 1 at the site. Therefore, a removal action was recommended in an effort to meet the target risk level established for these compounds.

A human health screening evaluation was performed during the site investigation for Site 23. Results of the human health screening evaluation conducted at IRP Site 23 showed that the cancer risk associated with exposure to PCBs at the site was within the risk management range of 1×10^{-4} to 1×10^{-6} , but noncancer risk exceeded the threshold HI of 1 at the site. Therefore, a removal action was recommended in an effort to meet the target risk level established for these compounds.

2.1.4.4 Engineering Evaluation and Cost Analysis

In 1998, Tetra Tech conducted an engineering evaluation and cost analysis (EE/CA) for Sites 12B and 23 (Tetra Tech 1998). The EE/CA identified general removal actions that could be used at the sites including:

- Alternative 1 Soil removal and off-site disposal
- Alternative 2 Soil removal and on-site treatment
- Alternative 3 In-situ biological treatment
- Alternative 4 In-situ thermal treatment

For each of these removal actions, the specific technology process options that would be applicable for the sites were identified. The most feasible process options were evaluated for their overall effectiveness, implementability, and cost-effectiveness with respect to meeting the following remedial action objective (RAO):

Limit potential exposure to PCBs in soil associated with Sites 12B and 23 by removing soils with PCB concentrations above the EPA Region 9 industrial preliminary remediation goal (PRG) for Aroclor-1260.

The Navy evaluated the four cleanup alternatives for IRP Sites 12B and 23. Each alternative was evaluated to determine how effectively it would (1) protect human health and welfare, (2) satisfy applicable environmental regulations, and (3) reduce the toxicity, mobility, or volume of the contaminants in both the long and short term. Additionally, the technical feasibility and commercial availability of the cleanup technology, as well as regulatory agency and community acceptance of the planned removal action were considered in the evaluation.

Based on the evaluation of the four alternatives presented in the engineering evaluation and cost analysis, the Navy proposed to implement Alternative 1: excavate contaminated soils and dispose of them at a licensed off-site disposal facility. This alternative is protective of human health and welfare, provides long-term effectiveness at minimum cost, is easy to implement, and will not limit future reuse of the sites. In addition, the alternative is consistent with future remedial actions at CBC and meets the identified applicable or relevant and appropriate requirements (ARAR).

2.1.4.5 Action Memorandum

In 2002, the Navy completed the action memorandum for IRP Sites 12B and 23 (Navy 2002). The purpose of the action memorandum is to document for the Administrative Record, the Navy's decision to undertake a non-time-critical removal action at IRP Sites 12B and 23. In accordance with federal and state regulations, the action memorandum documented the selected remedial action as excavation and disposal of contaminated soils for IRP Sites 12B and 23. The action memorandum also documented the action level for each site as 1.0 mg/kg, as specified by Title 40 of the *Code of Federal Regulations* (40 CFR) Section 761.61, which was determined to be a chemical-specific ARAR. Attainment of the RAO will result in residual noncancer risk levels below the acceptable HI of 1.0.

Although the action memorandum clarified that removal action at IRP Sites 12B and 23 was intended to be an interim action, the postremoval confirmation sampling data indicates that

further action in regards to soil is not necessary at either site. The results of the basewide groundwater investigation indicated that groundwater remedial or removal action is not necessary at either site (Tetra Tech 2001).

2.2 ORGANIZATION OF RESPONSE

As explained in Section 2.1.4 of this report, U.S. Department of Defense has authority to undertake CERCLA response actions including removal actions, under Title 42 USC Section 9604, Title 10 of the USC Section 2705, and Federal Executive Order No. 12580. The Navy worked in cooperation with the DTSC Region 4 to develop and implement removal actions at Sites 12B and 23. In addition, the Los Angeles Regional Water Quality Control Board assisted in the regulatory oversight of the removal action regarding potential impacts to groundwater.

As the lead federal agency, the Navy contracted Geofon and Cape to conduct the removal actions at IRP Sites 12B and 23 as part of the ongoing environmental restoration program at CBC. The Navy also contracted Tetra Tech to provide technical assistance with implementation of the removal action. Organizational contact information is provided in Table 2-1.

2.3 Injury/Possible Injury to Natural Resources

This section describes the content and time of notice to natural resource trustees and the trustee damage assessment and restoration activities.

2.3.1 Content and Time of Notice to Natural Resource Trustees

The Navy conducted a preliminary ecological risk evaluation at IRP Sites 12B and 23 from January 11, 1999, through January 13, 1999, to determine whether the sites present a risk to nearby ecological receptors (Navy 1999). The assessment was conducted in accordance with California Environmental Protection Agency guidance (DTSC 1996). The purpose of the preliminary ecological risk evaluation was to determine if sufficient natural resources are at risk, because of site contaminants or the proposed removal action, to warrant a Phase I ecological assessment. The results of the evaluation are summarized below:

- No vegetation or endangered species are present at IRP Sites 12B and 23.
- IRP Sites 12B and 23 do not provide habitat for endangered species.

The results of the preliminary ecological risk evaluation indicated that a Phase I ecological risk assessment was not warranted for IRP Sites 12B or 23, and that the proposed removal action should proceed.

2.3.2 Trustee Damage Assessment and Restoration Activities

Natural resources were not damaged as a result of historic activities associated with IRP Sites 12B and 23. Accordingly, restoration activities for natural resources were not required as part of the removal actions.

2.4 CHRONOLGICAL NARRATIVE OF RESPONSE ACTIONS

This section describes the response actions completed for IRP Sites 12B and 23 including the threat abatement actions taken, treatment and disposal technologies pursued, and public information and community relations activities.

2.4.1 Threat Abatement Actions Taken

2.4.1.1 Geofon Response Action Summary

Geofon conducted the removal action at IRP Sites 12B and 23 in accordance with their final work plan for soil removal and disposal (Geofon 2002a). The general sequence of field tasks performed by Geofon included mobilization, field setup (including land surveys), soil excavation, field screening and confirmation sampling, soil transportation and disposal, site restoration (including backfilling and compaction) and demobilization.

<u>Date</u>	Event
March 5, 2002	Mobilized construction equipment and field crew to the site. Constructed soil stockpile containments, exclusion zone, contamination reduction zone and perimeter fencing. Removed asphalt from the proposed excavation area at IRP Site 12B and temporarily stockpiled on site
March 6 - March 7, 2002	Removed soil at IRP Site 12B to an approximate depth of 2 feet bgs and stockpiled on site.
March 7 - March 11, 2002	Removed soil at IRP Site 23 to an approximate depth of 1 foot bgs and stockpiled on site
March 11 - March 12, 2002	Collected soil samples from the bottom and sidewalls of IRP Site 12B excavation and field screened the samples using semiquantitative immunoassay kits to determine the environmental condition of non-excavated soil. Field screening results indicated that further excavation, both horizontally and vertically, was necessary.
March 12 - March 22, 2002	Collected soil samples from the bottom of IRP Site 23 excavation and field screened the samples using semiquantitative immunoassay kits to determine the environmental condition of non-excavated soil. Field screening results indicated that no further excavation was needed; therefore, the soil samples were sent to an off-site laboratory on March 22, 2002 for confirmation analysis.
March 13 - March 27, 2002	Several iterations of excavation at IRP Site 12B were performed during this period, based on the results of field screening. On March 27, 2002, final soil samples were collected and sent to an off-site laboratory for confirmation analysis. The final excavation area at IRP Site 12B was approximately 60 to 75 feet in width, 140 feet in length, and averaged 4 feet in depth.

March 28 - April 3, 2002	Loaded, transported and disposed of PCB-contaminated soil from IRP Sites 12B and 23 to Chemical Waste Management's Kettleman Hill Facility in Kettleman City, California
April 1 - April 2, 2002	Based on confirmation analytical results, areas with PCB concentrations above action levels were further excavated and resampled. Four soil samples were collected on April 2, 2002 and sent to an off-site laboratory for confirmation analysis.
April 8 - May 7, 2002	On April 9, 2002, a land survey was performed to verify the limits of excavation. Completed site restoration activities, including screening of imported backfill material, backfilling and compaction, and site grading.
May 7 - May 8, 2002	Demobilized equipment, materials and supplies from IRP Site 12B including the field trailer.
May 15, 2002	Conducted a final inspection with the remedial project manager.

Detailed discussion and field documentation, such as the daily contractor production reports and contractor quality control reports, of the removal action at IRP Sites 12B and 23 are provided in the field activities report (Geofon 2002b), included in Appendix B of this report.

2.4.1.2 Cape Response Action Summary

Cape performed additional removal activities at IRP Site 12B in accordance with the final work plan for soil removal and disposal (Cape 2002a). Because Geofon's contract ended, Cape was contracted to continue excavation and disposal until confirmation samples indicated constituent concentrations below action levels. The general sequence of field tasks performed by Geofon included mobilization, field setup (including land surveys), soil excavation, field screening and confirmation sampling, soil transportation and disposal, site restoration (including backfilling and compaction), and demobilization.

<u>Date</u>	<u>Event</u>
August 18, 2002	Mobilized to the site.
August 19, 2002	Installed temporary fence around exclusion zone at IRP Site 12B. Arranged equipment delivery. Surface concrete and asphalt was saw-cut. Began removing and stockpiling concrete and asphalt. Began excavating, stockpiling, and covering the stockpiled soil at IRP Site 12B.
August 20, 2002	Finished removing and stockpiling the asphalt at IRP Site 12B. Continued to excavate, stockpile, and cover soil from the exclusion zone.

August 21, 2002	Loaded and transported approximately 443 tons of soil for disposal from the stockpiled soil near IRP Site 12B.
August 22, 2002	Loaded and transported approximately 482 tons of soil for disposal from IRP Site 12B. Excavated around the electrical vault, water, and storm drain, but left soil under utilities in place for support. Loaded the concrete and rebar and disposed at Lindsey's Dump. Loaded and transported approximately 180 tons of asphalt for recycling.
August 23, 2002	Finished excavating soil in the exclusion zone. Loaded and transported approximately 552 tons of soil for disposal from IRP Site 12B. Collected 27 soil samples from excavation sidewalls and bottom for laboratory analysis.
August 26, 2002	Finished loading and transporting approximately 665 tons of soil for disposal from IRP Site 12B. Started to backfill and compact the exclusion zone with fill sand.
August 27, 2002	Backfilled and compacted excavation with fill sand. Cleaned site.
August 28, 2002	Placed the Class II base over the compacted sand, and compacted. Started to finish grade and prepare for new asphalt.
August 29, 2002	Continued to finish grade and compact IRP Site 12B parking lot.
August 30, 2002	Finished grading and compacting IRP Site 12B parking lot. Paved the site with 2 inches of hot asphalt as binder and 2 inches of hot asphalt for surface cover. Demobilized and cleaned site.

Detailed discussion and field documentation, such as the daily contractor production reports and contractor quality control reports, for the removal action at IRP Site 12B are provided in the field activities report (Cape 2002b), included in Appendix C of this report.

2.4.2 Treatment/Disposal/Alternative Technology Approaches Pursued

Removal actions conducted by Geofon and Cape generally consisted of excavation and off-site disposal of contaminated soil. A description of the excavation quantities and off-site disposal locations used by these removal contractors is presented below.

2.4.2.1 Geofon, Inc.

From March 28 through April 3, 2002, approximately 1,871 tons of soil at IRP Site 12B and 590 tons of soil at IRP Site 23 were excavated and transported off site as California state-designated/nonhazardous waste. All soils were transported to Chemical Waste

Management's Kettleman Hill Facility located in Kettleman City, California. The waste was transported and disposed of based on the analytical results of waste characterization sampling and the results of data collected in previous investigations. All transportation was performed by a State of California licensed material hauler, subcontracted by Chemical Waste Management. The nonhazardous waste manifests and weight certificates are included in the field activities report (Geofon 2002b). A summary of waste quantities and disposal information is provided in Table 2-2.

Personal protective equipment generated on site were contained within a Department of Transportation-approved 30-gallon drum and was disposed of nonhazardous waste by EFR Environmental Services, Inc. to Superior Special Services, Inc. located in Phoenix, Arizona.

2.4.2.2 Cape Environmental Management, Inc.

From August 20 through August 26, 2002, approximately 2,093 tons of soil at IRP Site 12B were excavated and transported off site as California state-designated/nonhazardous waste. All soils were transported to Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California. The waste was transported and disposed of based on the analytical results of waste characterization sampling and the results of data collected in previous investigations. All transportation was performed by a State of California licensed material hauler. The nonhazardous waste manifests and weight certificates are included in the removal action report (Cape 2002b). A summary of waste quantities and disposal information is provided in Table 2-2.

2.4.3 Public Information and Community Relations Activities

As lead agency, the Navy is responsible for public participation activities. To foster community awareness and public input, the Navy has established a community relations plan at CBC. The community relations plan was prepared in April 1993 and updated in April 2000. The Navy regularly publishes fact sheets and public notices to announce environmental restoration activities at CBC. An important part of the community relations program is the Port Hueneme Restoration Advisory Board (RAB). The Port Hueneme RAB meets every 3 months as a forum for interested parties to receive information and provide comment on CBC documents and environmental activities.

For the IRP Sites 12B and 23 removal action, the Navy's community relations activities included publishing a public summary and holding a public comment period on the EE/CA report (Tetra Tech 1998). The announcement was initially made in the *Ventura County Star* on October 13, 18, and 28, 1998, and in the *Los Angeles Times, Ventura Edition* on October 28, 1998. The public comment period was conducted from October 20, 1998 to November 30, 1998. All public comments on the EE/CA were presented during a public meeting held on November 5, 1998 at the Orvene Carpenter Community Center, 550 Park Avenue, Port Hueneme, California. The Navy's responses to public comments were provided in the IRP Sites 12B and 23 action memorandum (Navy 2002).

In 2002, an updated fact sheet, which summarized the planned removal action was mailed to a list of the CBC RAB members and RAB meeting attendees. The fact sheet specifically described the project action memorandum (Navy 2002) and indicated that the action memorandum was made available to the public at the Oxnard Public Library located at 251 South A Street, Oxnard, California. A notice of action memorandum availability also was published in the *Ventura County Star* on February 20, 2002.

A RAB meeting was held on February 21, 2002, at the Orvene Carpenter Community Center. The meeting provided an opportunity for the public to ask questions concerning the Navy's environmental restoration program. The action memorandum for IRP Sites 12B and 23 and the planned removal actions were discussed at the RAB meeting.

2.5 RESOURCES COMMITTED

The EE/CA presented estimated removal action costs for IRP Sites 12B and 23 as \$138,000 and \$28,000, respectively (Tetra Tech 1998). These costs were developed for soil removal and disposal volumes of 965 bank cubic yards (bcy) at IRP Site 12B and 40 bcy at IRP Site 23. However, the action memorandum (Navy 2002) provided a total cost estimate of \$163,000 based on revised volume estimates for IRP Sites 12B and 23 of 820 bcy and 45 bcy, respectively. Actual excavation volumes and costs were larger and totaled \$685,362. A summary of the removal action volumes and costs for IRP Sites 12B and 23 is presented in Table 2-3.

3.0 EFFECTIVENESS OF REMOVAL ACTIONS

This section describes the effectiveness of removal actions conducted by the Navy, State or local forces, federal agencies and special teams, contactors, private groups, and volunteers.

3.1 ACTIONS TAKEN BY THE NAVY

As the lead federal agency, the Navy contracted Geofon and Cape to conduct the removal action at IRP Sites 12B and 23 as part of the ongoing environmental restoration program at CBC. Although the removal action at IRP Sites 12B and 23 is an interim action, the postremoval confirmation sampling data indicates that further action in regards to soil, except for institutional controls at IRP Site 12B, is not necessary at either site. To support this assertion, a human health risk assessment was performed using confirmation sampling data and is described in summary below, and in detail in Appendix A. In addition, the Navy has studied the groundwater basewide. The results of the basewide groundwater investigation indicated that groundwater remedial or removal action is not necessary at either IRP site (Tetra Tech 2001). A Request for Closure Letter Report for IRP Site 23, summarizing the results of previous investigations is being prepared under separate cover. The report will include available information on groundwater monitoring data, groundwater gradient and movement, potential contamination from upgradient sources, proximity to known contaminant sources, and other information.

3.1.1 Human Health Risk Assessment

The Navy conducted a postremoval risk assessment to determine the future land use for each site. Figures 3-1 and 3-2 show the postremoval confirmation samples used to assess risk at Sites 12B and 23, respectively. Tables 3-1 and 3-2 present confirmation soil sample analytical results for the Site 12B and 23 risk assessments, respectively. The human health risk assessment (HHRA) assessed potential risks and noncancer hazards associated with potential exposure to Aroclor-1260 in soil at IRP Sites 12B and 23 under current and potential future land-use conditions. The following sections summarize the results of the HHRA.

IRP Site 12B

For IRP Site 12B, the HHRA evaluated potential exposure to subsurface soil (0 to 10 feet bgs) for future industrial and future residential exposure scenarios. A current exposure scenario was not evaluated for IRP Site 12B because the site is paved, precluding exposure to soil.

The cancer risk for the future industrial scenario is 1×10^{-6} . The estimated cancer risk is at the low end of the risk management range (1×10^{-6} to 1×10^{-4}). The total HI for the future industrial worker scenario is 8×10^{-2} , which is less than the threshold HI of 1.

The cancer risk for the future residential scenario is 4×10^{-6} , and is at the low end of the risk management range of 1×10^{-6} to 1×10^{-4} . The total HI for the future residential scenario is 8×10^{-1} , which is less than the threshold HI of 1.

IRP Site 23

For IRP Site 23, the HHRA evaluated potential exposure to surface soil (0 to 2 feet bgs) for current industrial, future industrial, and future residential exposure scenarios.

The estimated cancer risk for the current and future industrial worker scenario is 5×10^{-7} . The estimated cancer risk is less than the risk management range of 1×10^{-6} to 1×10^{-4} . The total HI for the current and future industrial worker scenario is 3×10^{-2} , which is less than the threshold HI of 1.

The estimated cancer risk for the future residential scenario is 2×10^{-6} . The estimated cancer risk is at the low end of the risk management range of 1×10^{-6} to 1×10^{-4} . The total HI for the future residential scenario is 3×10^{-1} , which is less than the threshold HI of 1.

The HHRA limited evaluation of potential future industrial and residential exposure at IRP Site 23 to surface soil because PCB impacts at the site are limited to surface soil. If future development occurs at the site, it is likely that surface soils will be mixed with deeper, unimpacted subsurface soils. In this event, the potential cancer risks and noncancer hazards

under future industrial and residential exposure scenarios are likely to be less than the estimated risks and hazards.

3.2 ACTIONS TAKEN BY STATE AND LOCAL FORCES

As the lead state agency, DTSC provided technical review of the project documents and conducted project oversight of the removal action at IRP Sites 12B and 23. In addition, Los Angeles Regional Water Quality Control Board provided technical oversight regarding potential groundwater issues associated with IRP Sites 12B and 23.

3.3 ACTIONS TAKEN BY FEDERAL AGENCIES AND SPECIAL TEAMS

No other federal agencies besides the Navy were involved with the removal action for IRP Sites 12B and 23.

3.4 ACTIONS TAKEN BY CONTRACTORS, PRIVATE GROUPS, AND VOLUNTEERS

The Navy contracted Geofon and Cape to conduct the removal action at IRP Sites 12B and 23. The following discussion is a summary of the removal activities conducted by these contractors, shown in Section 2.4.1. There was no work performed by volunteers or private groups. In addition, all identified health and safety protocols, environmental laws, and regulations were followed.

3.4.1 Geofon, Inc.

Geofon conducted the removal action at IRP Sites 12B and 23 in accordance with the final work plan for soil removal and disposal (Geofon 2002a). Between March 5, 2002, and May 5, 2002, Geofon completed the following removal actions:

- Removed soil at IRP Site 12B to an approximate depth of 2 feet bgs and stockpiled on site
- Transported and disposed of approximately 1,871 tons of PCB-contaminated soil from IRP Site 12B at the Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California
- Collected 44 confirmation and quality control soil samples from IRP Site 12B
- Removed soil at IRP Site 23 to an approximate depth of 1 foot bgs and stockpiled on site
- Transported and disposed approximately 590 tons of PCB-contaminated soil from IRP Site 23 at the Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California
- Collected 30 confirmation and quality control soil samples from IRP Site 23

The extent of the contaminated soil excavation and confirmation soil samples performed by Geofon for IRP Sites 12B and 23 are presented on Figure 3-3 and Figure 3-4, respectively. The site health and safety plan was adhered to during the removal activities and no incidents or accidents occurred during the removal actions.

Postremoval confirmation sampling data collected at IRP Site 12B after Geofon's excavation activities were completed indicated the presence of soils with PCB concentrations above the action level of 1 milligram per kilogram (mg/kg) or 1,000 micrograms per kilogram (μ g/kg) on the west, south and east sidewalls of the excavation (Geofon 2002b). Based on this sampling data, further soil removal was conducted by Cape as discussed in Section 3.4.2.

Postremoval confirmation sampling data collected at IRP Site 23 indicated that soils with PCB concentrations above the action level of 1 mg/kg (1,000 μ g/kg) were removed by Geofon. Furthermore, confirmation sampling data also indicates that soils with PCB concentrations above the residential PRG of 0.22 mg/kg (220 μ g/kg) have been removed, thus accommodating a future residential land use scenario. Based on postremoval confirmation sampling data, no further action for PCB-contamination in soil is recommended for IRP Site 23 (Geofon 2002b). The results of the basewide groundwater investigation indicated that groundwater remedial or removal action is not necessary at this site (Tetra Tech 2001).

3.4.2 Cape Environmental Management, Inc.

Cape performed additional removal activities at IRP Site 12B in accordance with their final work plan for soil removal and disposal (Cape 2002a). Between August 18, 2002 and August 30, 2002, Cape completed the following removal actions:

- Removed soil at IRP Site 12B to an approximate depth of 4.5 feet bgs and stockpiled on site
- Transported and disposed approximately 2,093 tons of PCB-contaminated soil from IRP Site 12B at the Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California
- Collected 32 confirmation and quality control soil samples from IRP Site 12B

The extent of the contaminated soil excavation and confirmation soil samples performed by Cape for IRP Site 12B is presented on Figure 3-5. The site health and safety plan was adhered to during the removal activities and no incidents or accidents occurred during the removal actions.

Confirmation sampling data collected at IRP Site 12B indicated that accessible soils with PCB concentrations above the action level of 1 mg/kg $(1,000~\mu g/kg)$ have been removed. Approximately 150 cubic yards of PCB-contaminated soil remain adjacent to and under Building 816. This soil does not appear to pose a threat to human health or the environment in its present state, but could be removed and disposed of if the Navy were to demolish the building in the future.

4.0 DIFFICULTIES ENCOUNTERED

This section describes difficulties encountered during the IRP Sites 12B and 23 removal action including items that affected the response, issues of intergovernmental coordination, and difficulties interpreting, complying with, or implementing policies and regulations.

4.1 ITEMS THAT AFFECTED THE RESPONSE

The removal action conducted by Geofon disclosed that the extent of PCB-contaminated soil at IRP Site 12B was greater than previously anticipated. As a result, multiple iterations of confirmation sampling and additional excavation were conducted in an attempt to remove PCB-contaminated soil exceeding the action limit. Because Geofon's contract was limited in terms of duration and scope, Geofon demobilized from IRP Site 12B without completely removing PCB-contaminated soil with concentrations exceeding the action limit. Further removal of PCB-contaminated soil at IRP 12B was conducted by Cape under a separate contract. Confirmation sampling conducted by Cape indicates that approximately 150 cubic yards of PCB-contaminated soil remains in place under Building 816 at IRP Site 12B. The impacted soil could be removed and disposed of if the building were to be demolished in the future, put does not appear to pose a threat to human health or the environment in its present state.

4.2 ISSUES OF INTERGOVERNMENTAL COORDINATION

No issues of intergovernmental coordination were encountered during the removal action for IRP Sites 12B and 23.

4.3 DIFFICULTIES INTERPRETING, COMPLYING WITH, OR IMPLEMENTING POLICIES AND REGULATIONS

After completion of the EE/CA (Tetra Tech 1998) but before contracting Geofon and Cape, the Navy changed the action limit for each site from that identified in the EE/CA to 1.0 mg/kg, as specified in 40 CFR Section 761.61, a chemical-specific ARAR. The EE/CA identified 1.3 mg/kg as the action limit for PCBs, which was the EPA Region 9 industrial soil PRG at the time. The Navy determined that 40 CFR 761.61(a)(4) is a chemical-specific relevant and appropriate requirement for PCBs and therefore changed the RAO to the more protective Toxic Substances Control Act criterion for high-occupancy sites of 1.0 mg/kg PCBs.

5.0 RECOMMENDATIONS

This section provides recommendations for IRP Sites 12B and 23 regarding the prevention of a recurrence of a similar discharge release, improvement to subsequent removal actions, and potential modifications to existing regulations and response planning.

5.1 SITE CLOSURE

The Navy has evaluated the results of the removal action and the basewide groundwater investigation (Tetra Tech 2001) and made the following determinations for IRP Sites 12B and 23.

IRP Site 12B

The Navy recommends that IRP Site 12B be closed with institutional controls as a result of the removal action, supported by the results of postremoval confirmation soil sampling and human health risk assessment, and in accordance with the results of the basewide groundwater investigation (Tetra Tech 2001).

As shown in the postremoval risk assessment, the one-sided 95 percent upper confidence limit (UCL₉₅) value calculated from the results of post removal confirmation samples for IRP site 12B is 0.841 mg/kg. As documented in the action memorandum (Navy 2002), UCL₉₅ value was to be calculated to provide the statistical means of evaluating whether the RAO of 1.0 mg/kg had been achieved. Because this value is below 1.0 mg/kg at IRP Site 12B, the RAO has been achieved. The postremoval risk assessment shows that residual cancer risk (4 \times 10⁻⁶) under a future residential exposure scenario is within EPA's acceptable risk management range and that noncancer risk is below the HI of 1.

The postremoval risk assessment also shows that the residual cancer risk of 1×10^{-6} under a future industrial exposure scenario does not exceed the 1×10^{-6} risk level that EPA considers acceptable. A complete exposure pathway does not exist under the current industrial scenario because the entire site is paved. Continued maintenance of the asphalt pavement at IRP Site 12B will ensure that exposure to residual contamination does not occur.

The results of the basewide groundwater investigation indicated that groundwater remedial or removal action is not necessary in the vicinity of IRP Site 12B (Tetra Tech 2001).

IRP Site 23

The Navy recommends that IRP Site 23 be closed with no further action as a result of the removal action, supported by the results of postremoval confirmation soil sampling and human health risk assessment, and in accordance with the results of the basewide groundwater investigation (Tetra Tech 2001).

As shown in the postremoval risk assessment, the UCL₉₅ value calculated from the results of post removal confirmation samples for IRP site 23 is 0.334. As documented in the action memorandum (Navy 2002), UCL₉₅ value was to be calculated to provide the statistical means of evaluating whether the RAO of 1.0 mg/kg had been achieved. Because this value is below 1.0 mg/kg at IRP Site 23, the RAO has been achieved. The postremoval risk assessment also shows that the residual cancer risk of 2×10^{-6} (1.52 $\times 10^{-6}$ at the calculated precision) under a

future residential land use scenario is essentially at the low end of EPA's acceptable risk management range (1×10^{-6}) and that noncancer risk is below the HI of 1.

The results of the basewide groundwater investigation indicated that groundwater remedial or removal action is not necessary in the vicinity of IRP Site 23 (Tetra Tech 2001).

5.2 Means to Prevent a Recurrence of the Discharge or Release

As previously discussed, PCB-contaminated surface soil at IRP Sites 12B and 23 resulted from historical waste handling activities associated with scrap equipment/material and electrical device maintenance activities involving dielectric fluids. To prevent a recurrence of similar PCB releases, the Navy has implemented the NBVC "PCB Elimination Plan" (NBVC 2001a) and the "Hazardous Waste Management Plan" (NBVC 2001b), described below.

5.2.1 NBVC PCB Elimination Plan

In 1990, the Navy instituted a policy to eliminate all transformers and large capacitors containing PCBs, and to be free of all PCB-contaminated transformers by October 2003 (Office of the Chief of Naval Operations Instruction [OPNAVINST] 1994). This policy also requires all Navy installations to inventory, sample and test, and track the disposal of PCBs; PCB-contaminated transformers; and unknown transformers, capacitors, and dielectric fluids for each installation. In 1994, the Navy's policy was revised to require all Navy activities to prepare a plan for the elimination of PCBs and PCB-contaminated material from all transformers, capacitors, and associated electrical equipment/systems, and hydraulic and lubricating fluids. The NBVC "PCB Elimination Plan" was developed to satisfy these requirements (NBVC 2001a).

In September 1992, an assessment of electrical devices (transformers, rectifiers, capacitors, and oil switches) was conducted at CBC, to locate and determine concentrations of PCB in dielectric fluids. This assessment identified nameplate data and/or location data of 604 electrical devices within the Port Hueneme power distribution system. Of the 604 electrical devices assessed, samples of dielectric fluid were collected from 534 transformers and other devices. Testing of the samples identified the following:

- Two transformers contained PCB levels greater than 500 parts per million (ppm).
- 94 transformers contained PCB levels between 3 and 499 ppm.
- 438 transformers contained PCB levels of 2 ppm or less.

Of the 70 remaining devices, 34 were oil switches and 14 were capacitors. None of the remaining devices were sampled because such sampling required puncturing each device, which, in turn, would create a PCB release hazard. Because of the estimated time of installation for these devices (circa 1950), the oil switches and capacitors were assumed to contain oil with PCB concentrations equal to or greater than 500 ppm. The final 22 devices were transformers. These

devices, located in the on-base family housing area, were sampled in May 1993 and all devices contained PCB levels less than 5 ppm.

Since 1993, 132 PCB-containing electrical devices have been removed from CBC. According to current records, all electrical devices that tested above 500 ppm for PCBs have been removed and disposed of in accordance with federal and state requirements. At Port Hueneme, there are 44 devices in service above the 2 ppm level. Of those 44 devices, 30 are above the California hazardous level of 5 ppm. Through May 15, 2001, 11 of the remaining devices had been removed from service, leaving a balance of 33 devices for removal at Port Hueneme.

The following describes the objectives for eliminating remaining electrical devices of concern at NBVC in accordance with 40 CFR 761 and Title 22 of the *California Code of Regulations*:

- Remove and replace electrical devices (transformers, reclosures and oil switches) containing PCB concentrations of 5 ppm or greater.
- Remove and replace faulty electrical devices. Within the scope of this plan, faulty electrical devices are those devices determined to be leaking any oil containing a PCB concentration of two ppm or greater. At this time, no electrical devices on NBVC have been recognized as being faulty.

The decrease in available funding, as well as the integrity of the remaining PCB-contaminated electrical devices, has required a reassessment of the strategy for achieving the objectives. With budgets continuing to tighten throughout the government, facilities are required to re-evaluate their priorities. The requirement to remove PCB-contaminated devices above 50 ppm by end of fiscal year 2003 is a Navy mandate under OPNAVINST 5090.1b. There is no federal or state regulation that requires the removal of PCB-contaminated devices that are in good working condition.

Due to funding constraints, NBVC plans to remove their remaining PCB-contaminated electrical devices only when they are no longer operable or shows signs of deterioration (leaking or seepage). Faulty electrical devices are removed by Public Works Economic Development on an as-needed basis. When removed from service, the device will be transferred to the Environmental Division for testing and disposal. Hazardous Waste Disposal funds will be used to test and dispose of these devices.

5.2.2 NBVC Hazardous Waste Management Plan

To minimize the potential for future release of PCB contamination, the NBVC Environmental Division currently manages electrical devices in accordance with the Hazardous Waste Management Plan (NBVC 2001b) as follows:

- All used electrical devices must be immediately marked with the date of removal from service.
- PCB or PCB-contaminated devices must be marked as hazardous waste and transferred to the central electrical device accumulation area within 30 days.
- "Pending analysis" markings shall be affixed to electrical devices with unknown PCB concentrations. Analytical results should be received within two weeks of sampling. If the device is confirmed to be PCB-containing, the accumulation start date for the equipment shall be the date on which samples were first taken
- A hazardous waste accumulation start date must be marked on the PCB or PCB-contaminated device when placed in the electrical device accumulation area.
- PCB or PCB-contaminated devices stored for disposal must be removed from the base within 90 days. Final disposal of the PCB items shall be within 12 months of the date of removal from service.
- Electrical devices labeled "NO PCBS" must be considered PCB free and do not require management as hazardous waste.
- Electrical devices with unknown contents must be considered PCB-contaminated until analysis proves otherwise. Hermetically sealed items may not be opened for testing and shall be assumed as greater than 500 ppm unless the ppm is otherwise indicated on the label.
- PCB-contaminated electrical equipment, drained of free flowing dielectric fluid, is not regulated as a hazardous waste, and is excluded from PCB management procedures.

In accordance with the plan, electrical devices containing PCBs are picked up at generator locations and delivered to the electrical device accumulation area at Port Hueneme (Building 328). PCB-containing items are stored inside Building 328 or in secondary containment outside for not more than 90 days. In accordance with 40 CFR 761.65(b), Building 328 has the following features to allow accumulation of PCBs or PCB-contaminated devices for storage of more than 90 days:

- Adequate roof and walls to prevent rainwater from reaching stored PCBs/PCB items
- An adequate floor (impervious material to prevent or minimize penetration of PCBs) with a continuous 6-inch curbing
- A containment volume to hold not less than twice the internal volume of the largest PCB article or 25 percent of the total internal volumes of all PCB articles stored, whichever is greater
- No drain valves, floor drains, expansion joints, or other openings that would permit PCB liquids to flow from the containment area

The CBC Environmental Division arranges for disposal of PCBs or PCB-contaminated devices. Regular inventories (at least once every 90 days) are prepared, and include:

- Weights, types, and quantities of devices in storage
- A scientifically reliable analysis for each device unless the property has a
 manufacturer's label that indicates the presence of PCBs. Hermetically sealed items
 may not be opened for testing and shall be assumed as worst case unless the
 concentration is indicated on the label
- Generator information and accumulation start date

Inventories are tracked in the Hazardous Waste Disposal System and offered for shipment off based through the Defense Reutilization and Marketing Office via a DD-1348 or electronic equivalent. The CBC Environmental Division oversees the transfer of property from the Defense Reutilization and Marketing Office to the removal contractor, and signs any manifests associated with the removal.

5.3 Means to Improve Response Actions

Based on a review of the IRP Sites 12B and 23 removal action activities and interviews with CBC personnel, there are no recommended means to improve response actions.

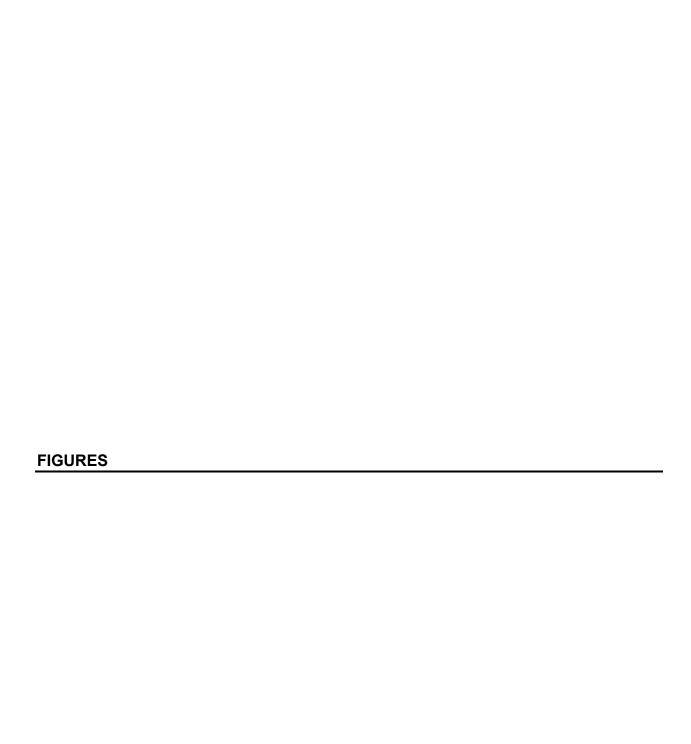
5.4 Proposals for Changes in Regulations and Response Plans

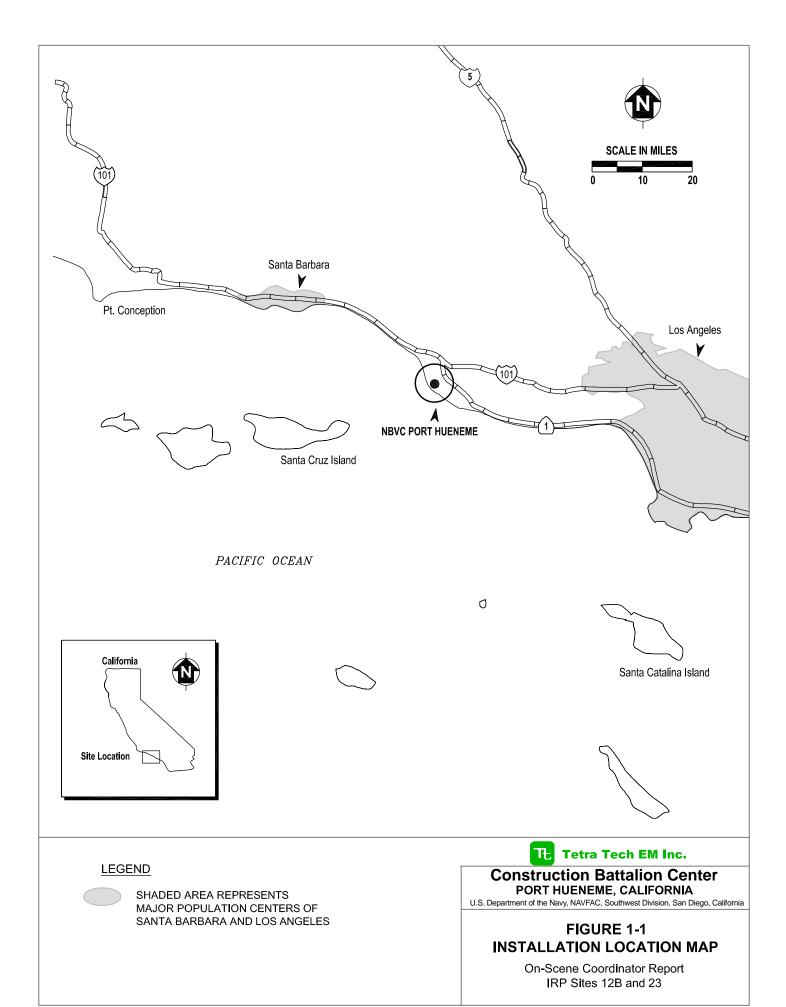
Based on a review of the IRP Sites 12B and 23 removal action activities and interviews with CBC personnel, there are no recommended changes in regulations or response plans.

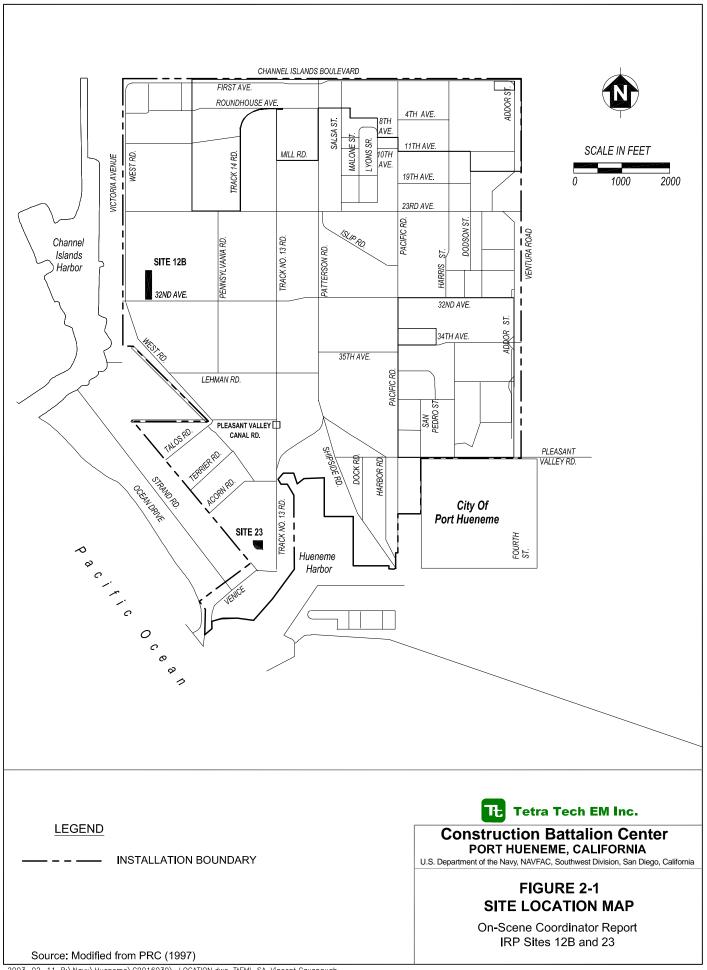
6.0 REFERENCES

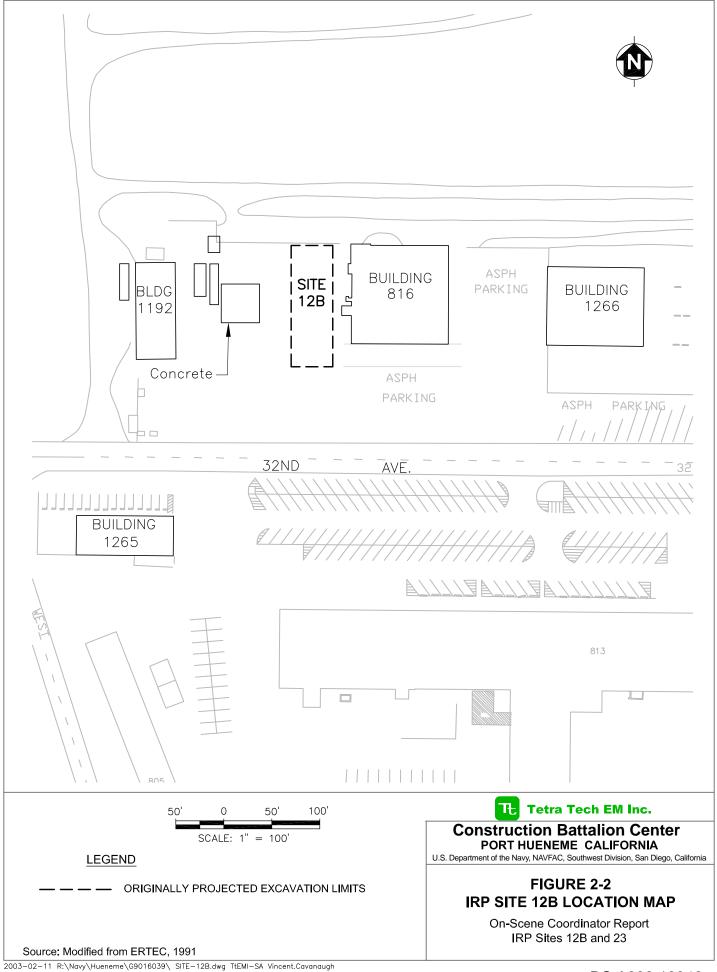
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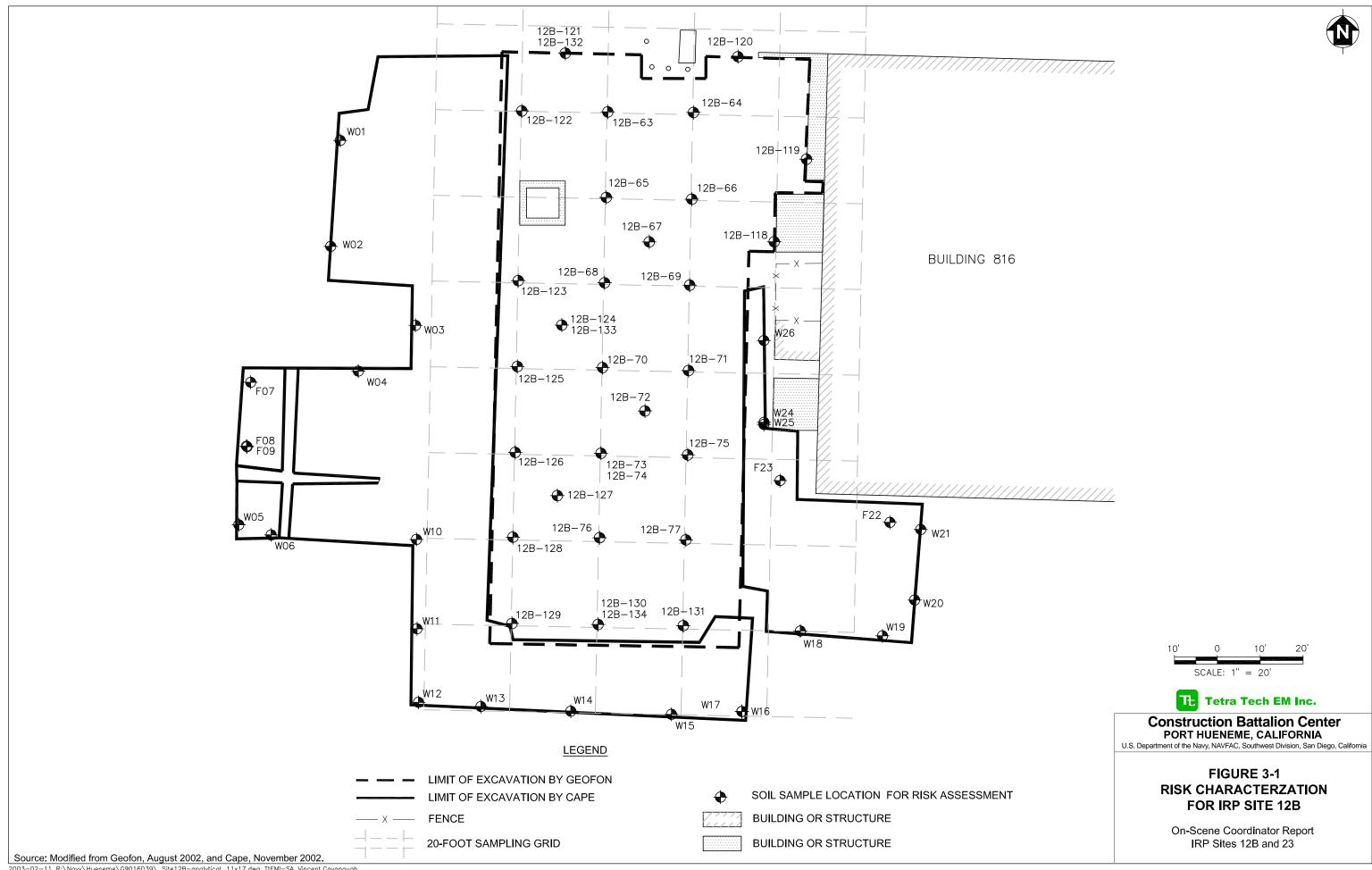


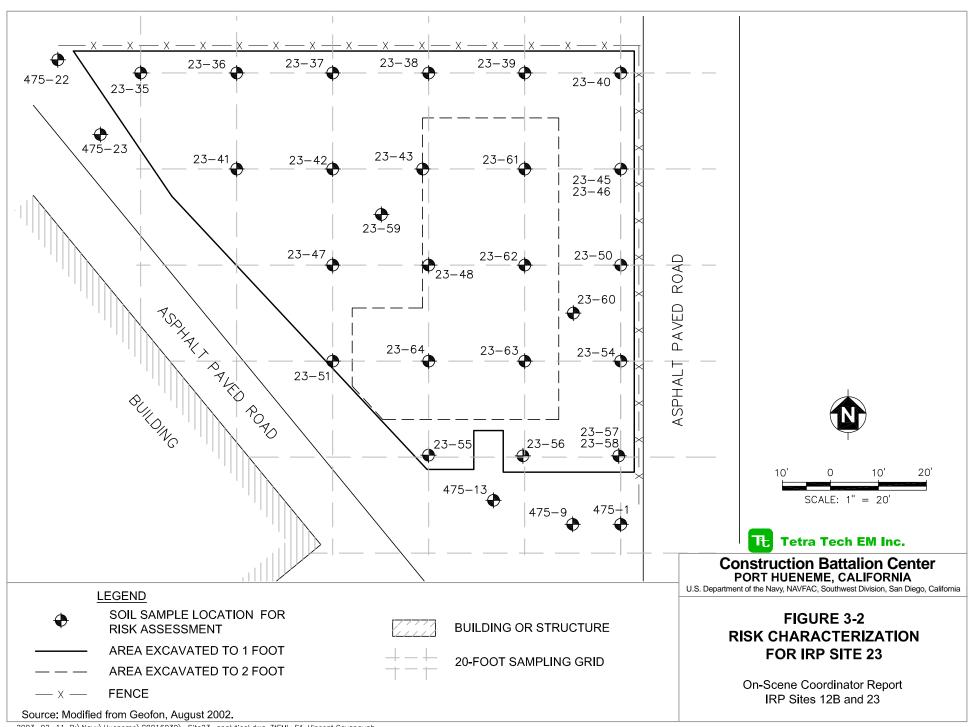


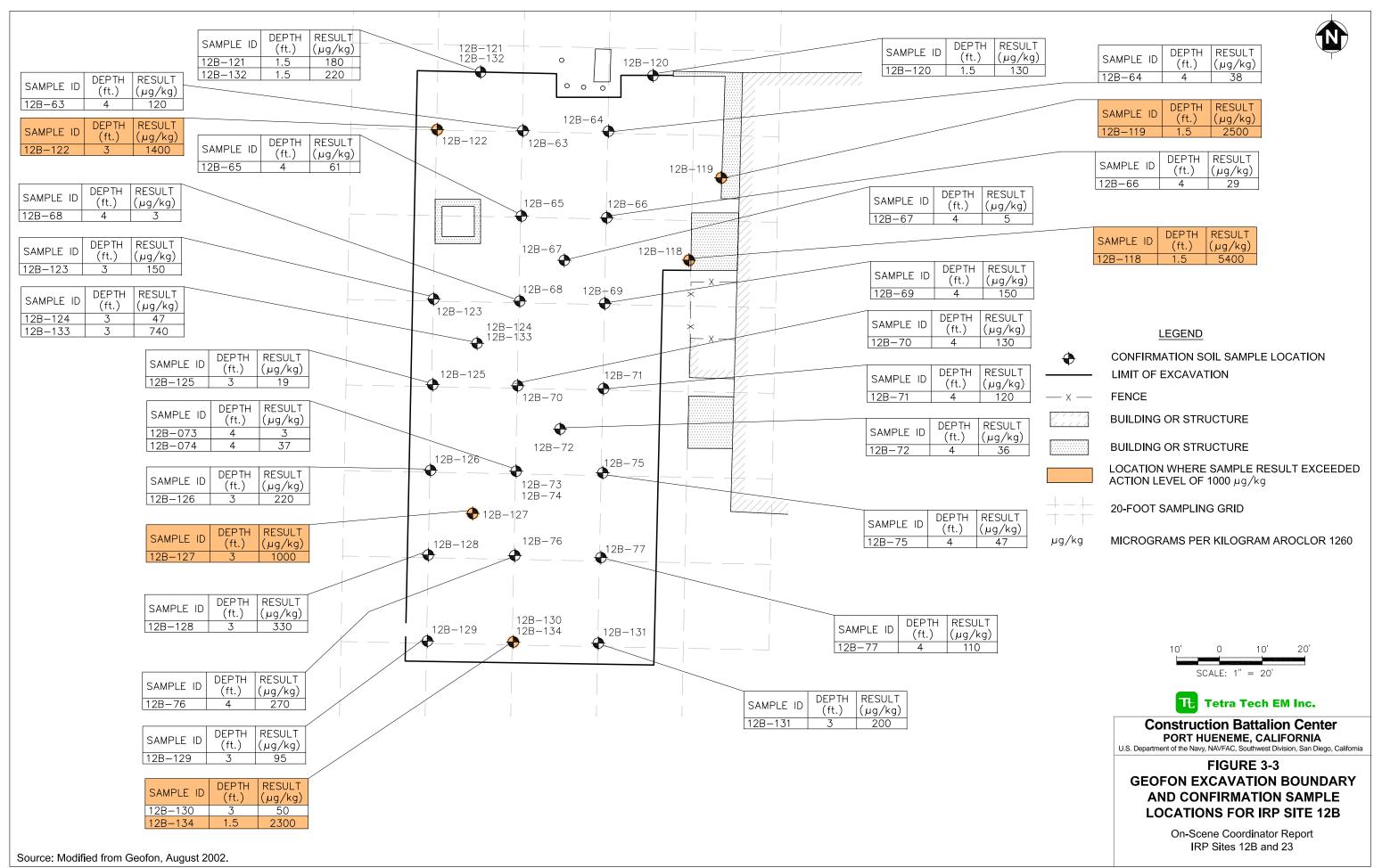


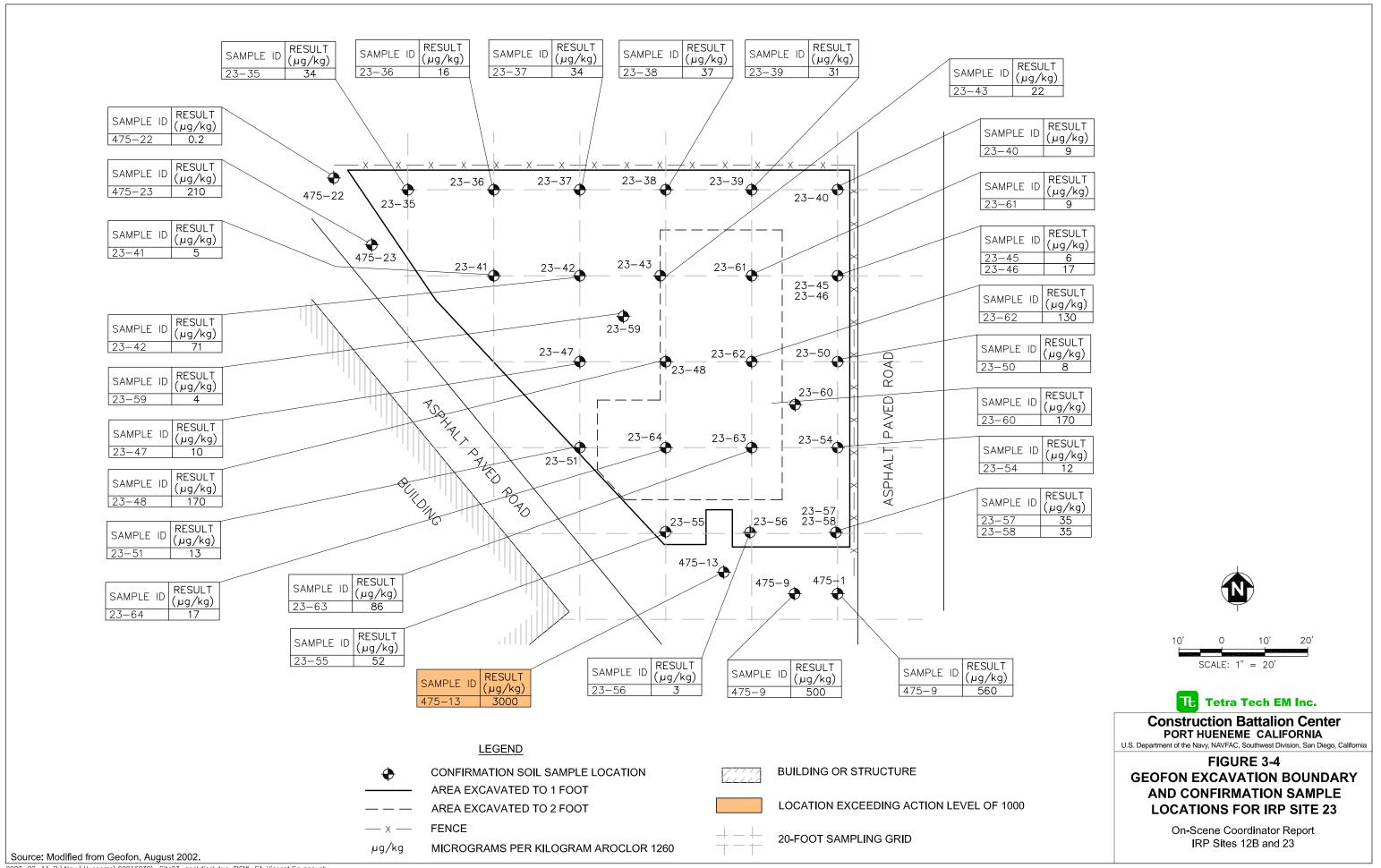


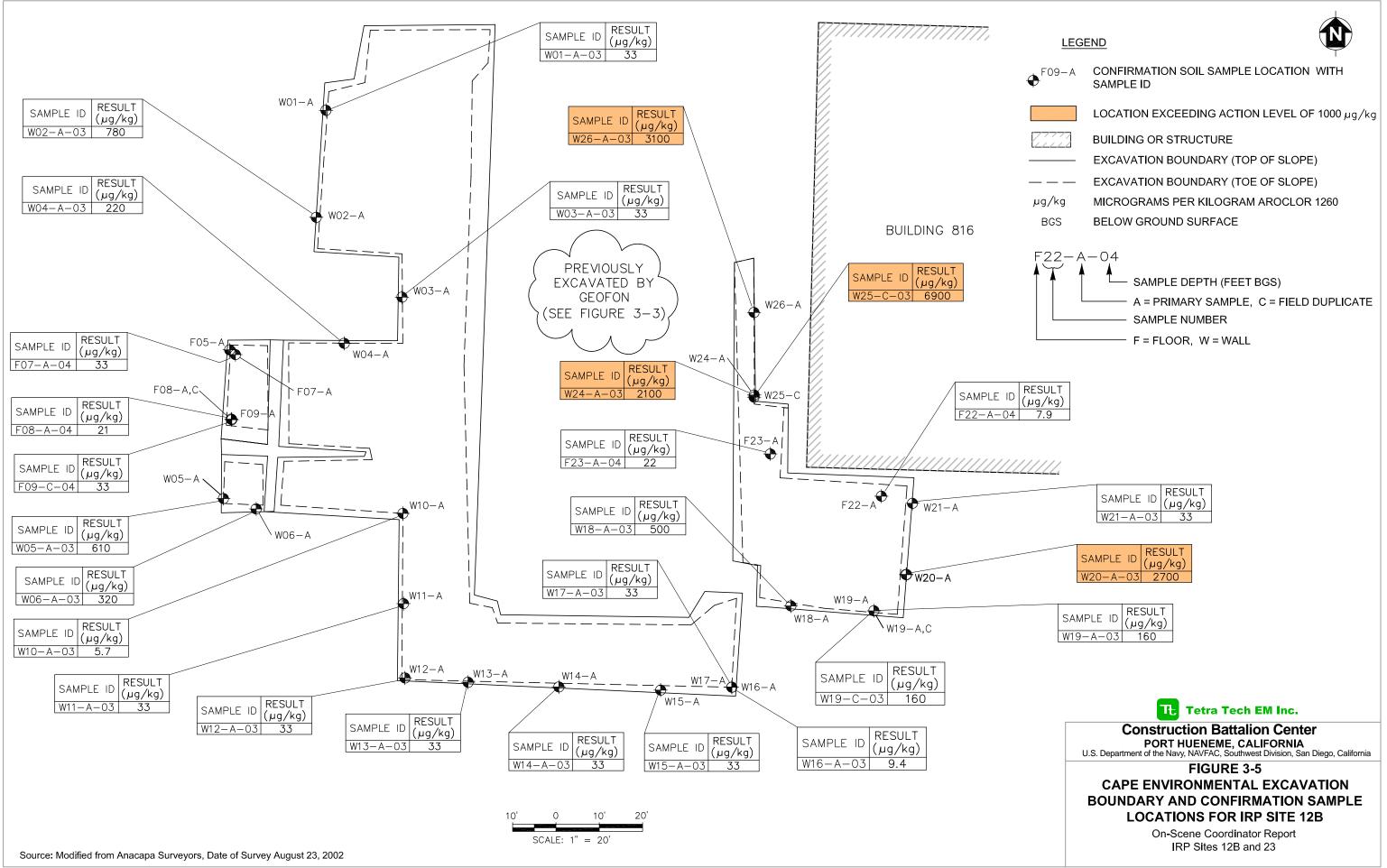












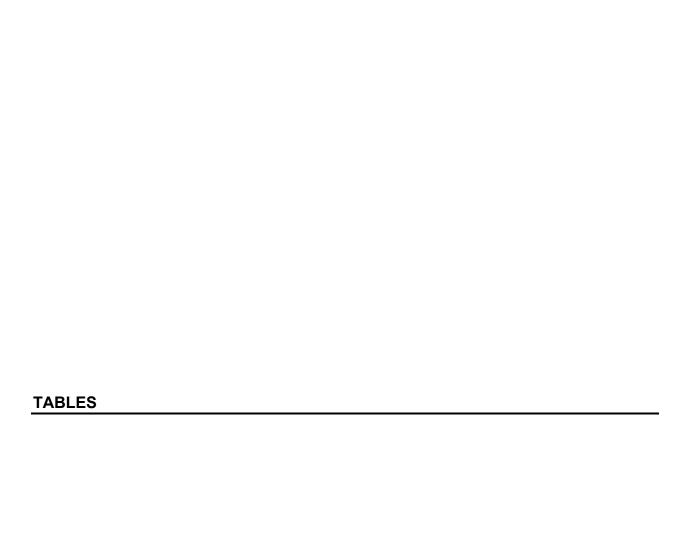


TABLE 2-1: ORGANIZATION OF RESPONSE

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Agencies or Parties Involved	Contact	Description of Participation
Department of the Navy, Naval Facilities Engineering Command, Southwest Division 1220 Pacific Highway San Diego, California 92132 (619) 532-3178	Mr. Michael Gonzales Remedial Project Manager	Federal agency lead for implementing the removal action as part of the facility Installation Restoration Program (IRP).
Department of the Navy, Naval Facilities Engineering Command, Southwest Division 1220 Pacific Highway San Diego, California 92132 (805) 982-3703	Mr. Jeff Chung, Resident Engineer in Charge of Construction	Assisted with construction oversight and coordination.
Department of Toxic Substances Control Office of Military Facilities 5796 Corporate Avenue Cypress, California 90630 (714) 484-5452	Mr. Quang Than Remedial Project Manager	Assisted with regulatory oversight and control.
Los Angeles Regional Water Quality Control Board 320 W. 4th Street, Suite 200 Los Angeles, California 90013 (213) 576-6796	Mr. Peter Raftery Project Coordinator	Assisted with regulatory oversight and control.
Tetra Tech EM Inc. 321 South Boyer Avenue Sandpoint, Idaho 83864 (208) 255-1315	Mr. Charles Mortensen Project Manager	Provided the Navy with technical assistance and administrative support.
Geofon, Inc. 22632 Golden Springs Drive, Suite 2700 Diamond Bar, California 91765 (909) 396-7662	Mr. Asar Faheem Project Manager	Provided personnel and equipment necessary for removal and conducted excavation of polychlorinated biphenyl (PCB)-contaminated soil at IRP Sites 12B and 23. Coordinated transportation and off-site disposal of contaminated soil.
Cape Environmental Management, Inc. 2823 McGraw Avenue Irvine, CA 92614 (949) 474-3090	Mr. Matt Nusenow Project Manager	Provided personnel and equipment necessary for removal and conducted excavation of PCB-contaminated soil at IRP Site 12B. Coordinated transportation and off-site disposal of contaminated soil.

TABLE 2-2: MATERIALS AND DISPOSITION

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Material	Amount	Method	Location		
Site 12B PCB					
PCB-Contaminated Soil (Excavated by Geofon)	1,871 tons	Excavation and Off-Site Disposal	Chemical Waste Management's Kettleman Hill Facility, Kettleman City, California		
PCB-Contaminated Soil (Excavated by Cape)	2,093 tons	Excavation and Off-Site Disposal	Chemical Waste Management's Kettleman Hill Facility, Kettleman City, California		
Site 23					
PCB-Contaminated Soil (Excavated by Geofon)	590 tons	Excavation and Off-Site Disposal	Chemical Waste Management's Kettleman Hill Facility, Kettleman City, California		
Action-Derived Waste					
Personal Protective Equipment	Not Available	Off-Site Disposal	Superior Special Services, Inc., Phoenix, Arizona		

Note:

PCB Polychlorinated biphenyl

TABLE 2-3: SUMMARY OF REMOVAL ACTION VOLUMES AND COST

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Agency/Contractor	Removal Action Activity	Soil Volume Removed Tons (bcy) ¹	Project Cost
Geofon, Inc.	Field implementation (excavation, transportation,	IRP Site 12B: 1,871 (1,440)	\$387,362
	disposal)	IRP Site 23: 590 (454)	
Cape Environmental Management, Inc.	Field implementation (excavation, transportation, disposal)	IRP Site 12B: 2,093 (1,610)	\$254,000
Tetra Tech EM Inc.	Technical Support	NA	\$44,000
U.S. Department of the Navy	Project Lead, Oversight, Coordination	NA	NA

TOTAL PROJECT COST: \$685,362

Notes:

1 Assumes 1.3 tons per bcy

bcy Bank cubic yard

IRP Installation Restoration Program

NA Not applicable

TABLE 3-1: RISK CHARACTERIZATION FOR IRP SITE 12B (SUBSURFACE SOILS)

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Confirmation Sample Identification No.	Bottom Depth (feet)	Result (µg/kg)	Qualifier	Confirmation Sample Identification No.	Bottom Depth (feet)	Result (µg/kg)	Qualifier
4304250-12B-063	4	120		4304250-12B-133*	3	740	
4304250-12B-064	4	38		4304250-12B-134*	1.5	2300	
4304250-12B-065	4	61		W01-A-03	4	33	U
4304250-12B-066	4	29	J	W02-A-03	4	780	
4304250-12B-067	4	5	J	W03-A-03	4	33	U
4304250-12B-068	4	3	J	W04-A-03	4	220	
4304250-12B-069	4	150		W05-A-03	4	610	
4304250-12B-070	4	130		W06-A-03	4	320	
4304250-12B-071	4	120		F07-A-04	4	33	U
4304250-12B-072	4	36	U	F08-A-04	4	21	J
4304250-12B-073	4	3	J	F09-C-04	4	33	U
4304250-12B-074*	4	37	U	W10-A-03	4	5.7	J
4304250-12B-075	4	47		W11-A-03	4	33	U
4304250-12B-076	4	270		W12-A-03	4	33	U
4304250-12B-077	4	110	J	W13-A-03	4	33	U
4304250-12B-118	1.5	5400		W14-A-03	4	33	U
4304250-12B-119	1.5	2500		W15-A-03	4	33	U
4304250-12B-120	1.5	130		W16-A-03	4	9.4	J
4304250-12B-121	1.5	180		W17-A-03	4	33	U
4304250-12B-122	3	1400		W18-A-03	4	500	
4304250-12B-123	3	150		W19-C-03	4	160	
4304250-12B-124	3	47		W19-A-03	4	160	
4304250-12B-125	3	19	J	W20-A-03	4	2700	
4304250-12B-126	3	220		W21-A-03	4	33	
4304250-12B-127	3	1000		F22-A-04	4	7.9	U
4304250-12B-128	3	330		F23-A-04	4	22	J
4304250-12B-129	3	95		W24-A-03	4	2100	J
4304250-12B-130	3	50		W25-C-03	4	6900	
4304250-12B-131	3	200		W26-A-03	4	3100	
4304250-12B-132*	1.5	220		RA12B.BACKFILL	4	33	U

TABLE 3-1: RISK CHARACTERIZATION FOR IRP SITE 12B (SUBSURFACE SOILS) (CONTINUED)

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Risk Summary						
Exposure Scenario ^a	Cancer Risk ^b	Noncancer Hazard ^b				
Future Industrial	1 × 10 ⁻⁶	0.08				
Future Residential	4 × 10 ⁻⁶	0.8				

Notes:	See Figure 3-1 for soil sample locations.	Confirmation soil sample identification	numbers shown in normal font are from
	Geofon. Those shown in italic font are from	n Cape.	

Site 12B is currently paved, therefore no complete current exposure pathways exist and the risk assessment is based on potential future exposures.

b Based on 95 percent upper confidence limit concentration of Aroclor-1260

* Denotes field duplicate; included in risk assessment

µg/kg microgram per kilogram
J Estimated value
U Below detection limit

TABLE 3-2: RISK CHARACTERIZATION FOR IRP SITE 23 (SURFACE SOILS)

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Confirmation Sample Identification No.	Bottom Depth (feet)	Result (µg/kg)	Qualifier
4304250-23-035	1	34	U
4304250-23-036	1	16	J
4304250-23-037	1	34	U
4304250-23-038	1	37	
4304250-23-039	1	31	J
4304250-23-040	1	9	J
4304250-23-041	1	5	J
4304250-23-042	1	71	
4304250-23-043	1	22	J
4304250-23-045	1	6	J
4304250-23-046*	1	17	J
4304250-23-047	1	10	J
4304250-23-048	1	170	
4304250-23-050	1	8	J
4304250-23-051	1	13	J
4304250-23-054	1	12	J
4304250-23-055	1	52	
4304250-23-056	1	3	J
4304250-23-057	1	35	U
4304250-23-058*	1	35	U
4304250-23-059	1	4	J
4304250-23-060	1	170	
4304250-23-061	2	9	J
4304250-23-062	2	130	
4304250-23-063	2	86	
4304250-23-064	2	17	J
475/SS475-1	0.416	560	
475/SS475-9	0.416	500	
475/SS475-13	0.416	3000	
475/SS475-22	0.416	0.2	U
475/SS475-23	0.416	210	

Risk Summary						
Exposure Scenario ^a	Cancer Risk ^b	Noncancer Hazard ^b				
Current and Future Industrial	5 × 10 ⁻⁷	0.03				
Future Residential	2×10^{-6}	0.3				

Notes: See Figure 3-2 for soil sample locations. Confirmation soil sample IDs shown in normal font are from Geofon. Those shown in *italic font* are from a previous soil sampling event, April 9, 1991

µg/kg microgram per kilogram
J Estimated value
U Below detection limit.

Impacts at Site 23 are limited to surface soil; therefore, both current and future exposure scenarios are evaluated for exposure to surface soil.

b Based on 95 percent upper confidence limit concentration of Aroclor-1260.

Denotes field duplicate; included in risk assessment

APPENDIX A
HUMAN HEALTH RISK ASSESSMENT FOR IRP SITES 12B AND 23,
NAVAL BASE VENTURA COUNTY, PORT HUENEME SITE, CALIFORNIA

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ACRONYMS AND ABBREVIATIONS

bgs Below ground surface

Cal/EPA California Environmental Protection Agency

CBC Construction Battalion Center COPC Chemical of potential concern

DTSC Department of Toxic Substances Control

EPC Exposure point concentration

HI Hazard index

HHRA Human health risk assessment

HQ Hazard quotient

IRP Installation restoration program

mg/kg Milligram per kilogram

mg/kg-day Milligram per kilogram per day

PCB Polychlorinated biphenyl PRG Preliminary remediation goal

RfD Reference dose

SF Slope factor

UCL₉₅ 95 percent upper confidence limit

INTRODUCTION

This appendix presents the human health risk assessment (HHRA) for Installation Restoration Program (IRP) Sites 12B and 23, Naval Base Ventura County, Construction Battalion Center (CBC) in Port Hueneme, California. The U.S. Department of the Navy's (Navy) historical use of IRP Sites 12B and 23 resulted in the release of polychlorinated biphenyls (PCB) to soil at both of the sites. From March to August 2002, the Navy undertook a nontime-critical removal action (removal action) at IRP Sites 12B and Site 23 to remove soils with PCB concentrations that exceeded the action level of 1.0 milligram per kilogram (mg/kg). The "Action Memorandum/Removal Action Work Plan" (Navy 2002) presents the results of the preremoval screening-level HHRA for Sites 12B and 23, and discusses bases for the removal action. The objective of this HHRA is to evaluate the residual (postremoval) cancer risk and hazard indices (HI) associated with exposure to PCBs in soil at IRP Sites 12B and 23.

Consistent with the methodology used to conduct the preremoval HHRA (Navy 2002) and with EPA and California Environmental Protection Agency (Cal/EPA) guidance on using EPA Region 9 preliminary remediation goals (PRG) to assess risk (Cal/EPA 1994; EPA 2002), a four-step process was used in the HHRA for Sites 12B and 23. This appendix is organized to reflect each of these four steps: Section A.1, Data Evaluation and Chemicals of Potential Concern; Section A.2, Exposure Assessment; Section A.3, Toxicity Assessment; and Section A.4, Risk Characterization. References cited as part of the HHRA are presented immediately following the text. Figures and tables are presented following the references.

A.1 DATA EVALUATION AND IDENTIFICATION OF CHEMICALS OF CONCERN

This section describes the analytical data used in the HHRA and the chemicals of potential concern (COPC) at IRP Sites 12B and 23.

A.1.1 HUMAN HEALTH RISK ASSESSMENT DATA

Confirmation sample data collected during the removal actions at IRP Sites 12B and 23 were used to assess potential risks in the post-removal HHRA for these sites. The following sections summarize the confirmation data that were collected at each site and describe how the data were grouped for the HHRA. Appendices B and C of the on-scene coordinator's (OSC) report detail the data analysis and validation procedures for the confirmation samples (Tetra Tech EM Inc. [Tetra Tech] 2003).

A.1.1.1 Site 12B

Section 3.4 of the OSC report details the removal action activities at IRP Site 12B (Tetra Tech 2003). Geofon, Inc. (Geofon) conducted a limited interim removal action at IRP Site 12B from March to May 2001. As part of the interim removal action, Geofon conducted confirmation soil sampling and analysis of the sidewalls and floor of the excavated area. Section 2.4.1.1 of the OSC report describes the extent of Geofon's excavation activities at the site, and Section 3.1 of

the OSC report presents the analytical results of the confirmation sampling (Tetra Tech 2003). Cape Environmental Management, Inc. (Cape) completed the removal action at IRP Site 12B in August 2002. The removal action that Cape completed involved expanding the boundaries (length and width) of the excavation initiated by Geofon. Following completion of the removal action, Cape conducted confirmation soil sampling and analysis of the sidewalls and floor of the expanded excavated area. Section 3.1 of the OSC report presents the analytical results of Cape's confirmation sampling (Tetra Tech 2003). Because Cape's excavation activities involved increasing the length and width of the area excavated by Geofon, Cape's soil removal activities involved excavation of many of the sample locations associated with sidewall confirmation samples that Geofon collected. Cape's soil removal activities did not require increasing the depth of the excavated area; therefore, Cape did not excavate any of the sample locations associated with the confirmation samples that Geofon collected at the bottom of the excavation.

Figure 3-1 of the OSC report shows the locations and analytical results of the confirmation samples collected by Geofon and Cape (Tetra Tech 2003). This figure also indicates which of the Geofon sidewall confirmation sample locations Cape subsequently excavated. Analytical results from all of the remaining excavation sidewall and excavation floor sample locations were used in the HHRA to assess potential risks for IRP Site 12B. Table 3-1 of the OSC report presents the soil confirmation results for IRP Site 12B (Tetra Tech 2003).

A.1.1.2 Site 23

Section 3.4 of the OSC report details the removal action activities at IRP Site 23 (Tetra Tech 2003). Geofon conducted the removal action at IRP Site 23 from March to May, 2001. Following excavation activities, Geofon conducted confirmation soil sampling and analysis of the sidewalls and floor of the excavated area. Figure 3-2 in the OSC report shows the locations and analytical results of the confirmation samples. Table 3-2 of the OSC report present the soil confirmation results for IRP Site 23 (Tetra Tech 2003). Several sample locations that were sampled during the site investigation in 1991 (PRC Environmental Management, Inc. [PRC] 1997) were not excavated during the removal action for IRP Site 23. These data from the site investigation (sample locations SS475-1, SS475-9, SS475-13, SS475-22 and SS475-23) were included with the post-removal confirmation data set for IRP Site 23 for purposes of estimating post-removal risks for IRP Site 23, and are also shown in Table 3-2.

A.1.1.3 Data Groupings for the Human Health Risk Assessment

Results from all confirmation samples were used to calculate post-removal risks for IRP Sites 12B and 23. Tables A-1 and A-2 present statistical summaries of the confirmation sampling data for IRP Sites 12B and 23, respectively. Sample results collected during the site investigation (PRC 1997) for soil remaining at IRP Site 23 are included in the statistical summary shown in Table A-2. Collectively, the tables present the following statistical information: detection frequency, minimum and maximum detected concentrations, arithmetic mean concentration, standard deviation, and 95 percent upper confidence limit of the arithmetic mean (UCL₉₅) concentration.

The data shown in Tables A-1 and A-2 were used to assess potential risks in the post-removal HHRA for IRP Sites 12B and 23. Consistent with EPA guidance (EPA 1989), all data without qualifiers and data qualified as "J" (estimated) were used in the HHRA. Only data qualified as "R" (rejected) were considered unusable for the assessments. Duplicate sample results were used in the HHRA, and were treated as separate sample results because the results differed significantly from corresponding initial sample results (that is, sample results differed by more than 10 percent).

For purposes of this HHRA, data for IRP Site 12B were considered subsurface soil data because the data were collected between 0 and 10 feet below ground surface (bgs). Data for IRP Site 23 were considered surface soil data because the data were collected between 0 and 2 feet bgs. Potentially complete exposure pathways for subsurface soil at IRP Site 12B and surface soil at IRP Site 23 are discussed in Section A.2.2.

A.1.2 IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

Results of the preremoval, screening-level HHRA for IRP Sites 12B and 23 showed that Aroclor 1260 was a chemical of concern at both sites. Confirmation samples from the removal action at these sites were analyzed for the following PCBs: Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260. At both IRP Site 12B and IRP Site 23, Aroclor 1260 was the only PCB that was detected in the confirmation samples (see Tables A-1 and A-2); therefore, Aroclor 1260 is the only COPC evaluated in this HHRA.

A.2 EXPOSURE ASSESSMENT

The exposure assessment evaluates the nature and magnitude of potential exposures associated with the site. The assessment includes a description of the exposure setting and land use, the identification of potential receptors and exposure pathways under current and potential future land use conditions, and the estimation of exposure point concentrations (EPC).

A.2.1 EXPOSURE SETTING AND LAND USE

CBC consists of approximately 1,615 acres of coastal land located approximately 5 miles northwest of the Santa Monica Mountains. The installation is east of the unincorporated Channel Islands, south of the city of Oxnard, and northwest of the city of Port Hueneme, as shown on Figure 2-1 of the OSC report (Tetra Tech 2003). While other tenant organizations are on base, the primary mission of CBC is to serve as a storage and mobilization area for military construction personnel and equipment.

IRP Site 12B is located in an industrial area. The nearest residential areas are on the base, approximately 1,000 feet to the south. IRP Site 23 is an open area adjacent to industrial areas; its nearest residential areas are approximately 300 feet to the southwest, on the base. Future land use at CBC is not expected to change from its current military industrial use. Future residential, recreational, or private industrial or commercial use is therefore not anticipated.

IRP Site 12B is bounded by Building 816 on the east and Building 1192 on the west, as shown on Figure 2-2 of the OSC report (Tetra Tech 2003). The site is covered with asphalt and a concrete apron, and encompasses approximately 17,450 square feet. IRP Site 12B was used to service generators and transformers between the early 1970s and 1980. Currently, IRP Site 12B is used occasionally as a parking area for large vehicles.

IRP Site 23 consists of a flat, unpaved, roughly triangular area of about 6,500 square feet located in the southwestern portion of CBC as shown on Figure 2-3 of the OSC report (Tetra Tech 2003). Access to the site is restricted by a chain-link fence on the northern and eastern sides and a line of stacked cargo containers along the remaining perimeter. For many years before 1986, IRP Site 23 was used as a scrap metal accumulation area and as a temporary storage area for Navy surface targets. The area was cleared of stored materials in 1991 (PRC and Montgomery Watson 1996). The available information does not indicate a specific PCB spill event or source; however, the PCBs are assumed to be associated with the storage of scrap metal and equipment. There are no surface targets (targets for Navy artillery fire) or any other materials currently stored at the site.

A.2.2 RECEPTORS AND EXPOSURE PATHWAYS

This section summarizes the potential receptors, exposure pathways, and exposure routes evaluated for IRP Sites 12B and 23. General conceptual site models (Figures A-1 and A-2) identify source types, exposure routes, exposure pathways, and receptors for IRP Sites 12B and 23.

This HHRA evaluates potential risks using the EPA Region 9 PRGs (EPA 2002); hence, the exposure assumptions used in this HHRA to evaluate potential risks are consistent with the assumptions that are the bases for the PRGs. Table A-3 summarizes the exposure assumptions that EPA used to develop the PRGs. These assumptions are based on EPA standard default exposure assumptions for reasonable maximum exposure. Exposures under current and potential future land use conditions at IRP Sites 12B and 23 are not expected to be greater than the exposures that the PRGs evaluate, as described in the next section. The use of the PRGs is, therefore, considered protective for potential exposures at IRP Sites 12B and 23.

A.2.2.1 Current Land Use

IRP Site 12B is paved with asphalt and a concrete apron, which prevents contact with soil and airborne release of soil at the site. Therefore, under current land use conditions, all potential exposure pathways are considered incomplete and a current land use exposure scenario was not evaluated in the HHRA for IRP Site 12B.

Exposure to Aroclor 1260 in surface soil (0 to 2 feet bgs) was evaluated for the current industrial exposure scenario at IRP Site 23. IRP Site 23 is unpaved; access, however, is restricted by a chain-link fence along two sides of the site and cargo containers on the other two sides. Current activities at the site are limited to occasional site maintenance activities. For purposes of this

HHRA, activities of base maintenance workers at IRP Site 23 were assumed to be similar to an industrial worker as defined in EPA Region 9 PRG document (EPA 2002). This assumption is conservative because the frequency of site maintenance activities at IRP Site 23 is far less than exposure frequency of 250 days per year that EPA used to develop the industrial PRGs. Consistent with the EPA Region 9 PRGs, the soil exposure pathways evaluated for a current industrial worker are incidental ingestion of soil, dermal contact with soil, and inhalation of airborne particulates released from soil. Inhalation of vapors released from soil is not evaluated because Aroclor 1260 is not considered volatile (EPA 2002).

A.2.2.2 Future Land Use

Probable future receptors at IRP Sites 12B and 23 were identified based on projected future land use and probable future activity patterns at the site. The most probable future receptors at both sites are base personnel; therefore, future base workers were evaluated in the risk assessment. Similar to the approach used to evaluate current exposures at the site, activities of future base workers were assumed to be similar to an industrial worker defined in EPA (2002). The soil exposure pathways evaluated for a future industrial worker are incidental ingestion of soil, dermal contact with soil, and inhalation of airborne particulates released from soil. These pathways are consistent with the industrial soil exposure pathways evaluated in the PRG framework.

Although the Navy is expected to continue industrial operations at IRP Sites 12B and 23, a hypothetical future residential scenario was also evaluated for IRP Sites 12B and 23. Accordingly, this HHRA also evaluates a hypothetical future residential scenario for IRP Sites 12B and 23. An unrestricted (residential) land use scenario generally provides the greatest potential for exposure to site contaminants and is evaluated to provide additional information to support risk management decisions for the site. The EPA Region 9 PRGs were used to assess potential future residential exposures to Aroclor 1260 in soil (EPA 2002). Consistent with the PRG document, the soil exposure pathways evaluated for a residential receptor are incidental ingestion of soil, dermal contact with soil, and inhalation of particulates released from soil.

Exposure to Aroclor 1260 in subsurface soil (0 to 10 feet bgs) was evaluated for the future industrial and future residential exposure scenarios at IRP Site 12B. This soil depth interval is appropriate for evaluation of potential future exposures because site development to accommodate the future land use scenarios is likely to involve excavation of soil, potentially making soil at depths up to 10 feet bgs available at the surface for contact. Construction and utility workers represent potential receptor populations during site excavation and construction activities; evaluation of the industrial worker exposure scenario for IRP Sites 12B and 23 is assumed to address potential exposure to soil by construction and utility workers.

The evaluation of potential future industrial and residential exposures to Aroclor 1260 at IRP Site 23 was limited to surface soil (0 to 2 feet bgs) because PCB impacts at this site are limited to surface soil.

A.2.3 EXPOSURE POINT CONCENTRATIONS

Exposure points are defined as areas or points of potential human contact with a contaminated medium. Potential exposure to Aroclor 1260 was assumed to occur uniformly throughout the site (exposure point). EPCs were calculated for Aroclor 1260 in surface soil and subsurface soil using the soil analytical data described in Section A.1.1. Tables A-1 and A-2 present the EPCs for Aroclor 1260.

The UCL $_{95}$ of the arithmetic mean was used as the EPC unless the maximum value was less than the UCL $_{95}$, in which case the maximum value was used as the EPC. The data sets for each site were assumed to be normally distributed. The equations used for calculating the EPC for each COPC were taken from EPA supplemental guidance (EPA 1992) and are presented below.

1. The mean, \bar{x} , and standard deviation, s, are calculated:

$$\overline{x} = \frac{\sum_{i=1}^{n} x_i}{n}$$
 and $s = \sqrt{\frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{n-1}}$

where n is the total number of data points in the data set and x_i is an individual data point.

2. The UCL_{95} is then calculated:

$$UCL_{95} = \bar{x} + t_{n-1,95\%} \frac{s}{\sqrt{n}}$$

where the Student t is the t statistic. The Student t statistic is a value that depends on n and the selected confidence level. The confidence level is 95 percent for this assessment. Values of t can be found in Table A2 of Statistical Methods for Environmental Pollution Monitoring (Gilbert 1987).

In accordance with EPA guidance (EPA 1989), one-half the sample quantitation limit was used as a proxy value for nondetected results in calculating the UCL₉₅ concentration.

A.3 TOXICITY ASSESSMENT

Typically, the toxicity assessment involves a review of agency literature and compilation of EPA-developed toxicity values. These toxicity values are chemical-specific and consist of slope factors (SF) and reference doses (RfD) that are used in the risk assessment to characterize cancer risks and noncancer hazards, respectively. The SF is an upperbound estimate of the probability of a cancer response per unit dose of a carcinogen over a lifetime. The RfD is an estimated daily intake of a COPC expected to pose no appreciable risk of harmful effects to human health, including sensitive populations, over a lifetime.

Toxicity values were not required for this assessment because the HHRA is based on comparison of COPC concentrations with EPA Region 9 PRGs; EPA has incorporated the SFs and RfDs in calculation of the PRGs. The oral and inhalation SFs used to calculate the PRG for Aroclor 1260 are both 2.0 per milligram per kilogram per day (mg/kg-day). As shown in the PRG table (EPA 2002), Aroclor 1260 has to date only been associated with cancer risk. However, the Cal/EPA's Department of Toxic Substances Control (DTSC) has requested that potential noncancer hazards for Aroclor 1260 be evaluated the using the PRG, and hence toxicity values, for Aroclor 1254. The oral RfD for Aroclor 1254 is 2.0×10^{-5} mg/kg-day. The inhalation RfD for Aroclor for 1254 is also 2.0×10^{-5} mg/kg-day, based on route-to-route extrapolation.

A.4 RISK CHARACTERIZATION

In this section, potential impacts to human health are characterized for the current industrial worker, hypothetical future industrial worker, and hypothetical future residential exposure scenarios. Potential cancer risks and noncancer hazards from exposure to Aroclor 1260 in soil were calculated using the procedure described in the EPA Region 9 PRG document (EPA 2002). PRGs are health-based concentrations for individual chemicals that correspond to a cancer risk of 1×10^{-6} (for carcinogens) or a hazard quotient (HQ) of 1 (to evaluate noncancer effects). PRGs are exposure scenario-specific; that is, PRGs for residential exposures differ from PRGs for industrial exposures.

Section A.4.1 presents the methods used to estimate carcinogenic risks and noncancer hazards associated with exposure Aroclor 1260 in soil. Section A.4.2 presents the risk and hazard estimates from exposure to Aroclor 1260 in soil at IRP Sites 12B and 23. Section A.4.3 discusses the uncertainties associated with the HHRA.

A.4.1 RISK CHARACTERIZATION METHODOLOGY

Cancer risks and noncancer hazards were calculated by comparing the EPC for Aroclor 1260 to corresponding EPA Region 9 industrial and residential PRGs, as detailed in the following section.

A.4.1.1 Cancer Risks

The cancer risk associated with potential exposure to Aroclor 1260 was calculated as follows:

Cancer risk =
$$(EPC/PRG) \times 10^{-6}$$
 (A-1)

where

EPC = Exposure point concentration (mg/kg)

PRG = Exposure-scenario specific EPA Region 9 preliminary remediation goal (mg/kg)

Cancer risks were assessed separately for industrial and residential exposure scenarios; separate industrial and residential PRGs were used to calculate cancer risks for these scenarios.

EPA guidance on exposure levels considered protective of human health is presented to aid in the interpretation of the results of the risk assessment. In the National Oil and Hazardous Substances Pollution Contingency Plan, EPA defined general remedial action goals for sites on the National Priorities List (Title 40 of the *Code of Federal Regulations* Part 300.430). These goals include a range for residual carcinogenic risk, which is "an excess upper bound lifetime cancer risk to an individual of between 1×10^{-4} and 1×10^{-6} ," or 1 in 10,000 to 1 in 1,000,000. The goals set out in the National Oil and Hazardous Substances Pollution Contingency Plan are applied once a decision to remediate a site has been made. A more recent EPA directive provides additional guidance on the role of the HHRA in supporting risk management decisions, and in particular, determining whether remedial action is necessary at a site (EPA 1991). Specifically, the guidance states the following:

"Where cumulative carcinogenic site risk to an individual based on reasonable maximum exposure for both current and future land use is less than 1×10^{-4} , and the noncarcinogenic HQ is less than 1, action generally is not warranted unless there are adverse environmental impacts."

In comments to the Navy, however, EPA Region 9 has stated that action may be taken to address risks between 1×10^{-4} and 1×10^{-6} (EPA 1997), and Cal/EPA has stated that the agency considers 1×10^{-6} as the point of departure for risk management decisions (Cal/EPA 1998). For this reason, the range between 1×10^{-4} and 1×10^{-6} is referred to as the "risk management range" in this discussion.

A.4.1.2 Noncancer Hazards

The potential for receptors to develop health effects was evaluated by comparing the EPC for Aroclor 1260 to the noncancer PRG for Aroclor 1254 as follows:

$$Hazard\ Quotient = EPC/PRG$$
 (A-2)

where

EPC = Exposure point concentration (mg/kg)

PRG = Exposure scenario-specific EPA Region 9 preliminary remediation

goal (mg/kg)

The HQ was calculated separately for industrial and residential exposure scenarios; separate industrial and residential PRGs were used to calculate HQ for these scenarios.

The HI for a site is based on the sum of the HQs for each COPC. If only one COPC is identified for a site, then the HQ is also the HI for the site. A total HI of less than 1 indicates no potential for noncancer health effects.

A.4.2 CANCER RISK AND NONCANCER HAZARD ESTIMATES

This section presents cancer risks and hazards associated with exposure to Aroclor 1260 in soil at IRP Sites 12B and 23. Tables A-4, A-5, A-6, and A-7 present the cancer risk and noncancer hazard estimates. Table A-8 summarizes the cancer risk and HI estimates. Cancer risk and HI estimates are shown to one significant figure (EPA 1989).

A.4.2.1 IRP Site 12B

Current Industrial Scenario

No current potential exposures were identified for IRP Site 12B (see Section A.2.2.1).

Future Industrial Scenario

Potential risks for the future industrial worker scenario were estimated by comparing the subsurface soil EPC for Aroclor 1260 with the Aroclor 1260 PRG for industrial soil; the total cancer risk is 1×10^{-6} (Table A-4). The estimated cancer risk is at the low end of the risk management range $(1 \times 10^{-6} \text{ to } 1 \times 10^{-4})$.

The total HI for the future industrial worker scenario is 8.0×10^{-2} (Table A-4), which is less than the threshold HI of 1.

Future Residential Scenario

Potential risks for the future residential scenario were estimated by comparing the subsurface soil EPC for Aroclor 1260 with the Aroclor 1260 PRG for residential soil; the total cancer risk is 4.0×10^{-6} (Table A-5). The estimated cancer risk is at the low end of the risk management range $(1 \times 10^{-6} \text{ to } 1 \times 10^{-4})$.

The total HI for the future residential scenario is 8.0×10^{-1} (Table A-5), which is less than the threshold HI of 1.

A.4.2.2 IRP Site 23

Current and Future Industrial Scenario

Potential risks for the current and future industrial worker scenario were estimated by comparing the surface soil EPC for Aroclor 1260 with the Aroclor 1260 PRG for industrial soil; the total cancer risk is 5.0×10^{-7} (Table A-6). The estimated cancer risk does not exceed the risk management range.

The total HI for the current and future industrial worker scenario is 3.0×10^{-2} (Table A-6), which is less than the threshold HI of 1.

The HHRA limited evaluation of potential future industrial exposure at IRP Site 23 to surface soil because PCB impacts at the site are limited to surface soil. This approach provides the most conservative estimate of risk. If future development occurs at the site, it is likely that surface soils will be mixed with deeper, unimpacted subsurface soils, effectively reducing the EPC for Aroclor 1260. In this event, the potential cancer risk and noncancer hazard under a future industrial exposure scenario is likely to be less than the estimated risk and hazard.

Future Residential Scenario

Potential risks for the future residential scenario were estimated by comparing the surface soil EPC for Aroclor 1260 with the Aroclor 1260 PRG for residential soil; the total cancer risk is 2.0×10^{-6} (Table A-7). The estimated cancer risk is at the low end of the risk management range $(1 \times 10^{-6} \text{ to } 1 \times 10^{-4})$.

The total HI for the future residential scenario is 3.0×10^{-1} (Table A-7), which is less than the threshold HI of 1.

Similar to the approach for the future industrial exposure scenario, the HHRA limited evaluation of potential future residential exposure at IRP Site 23 to surface soil because PCB impacts at the site are limited to surface soil. This approach provides the most conservative estimate of risk. If future development occurs at the site, it is likely that surface soils will be mixed with deeper, unimpacted subsurface soils, effectively reducing the EPC for Aroclor 1260. In this event, the potential cancer risk and noncancer hazard under a future residential exposure scenario is likely to be less than the estimated risk and hazard.

A.4.3 UNCERTAINTY ANALYSIS

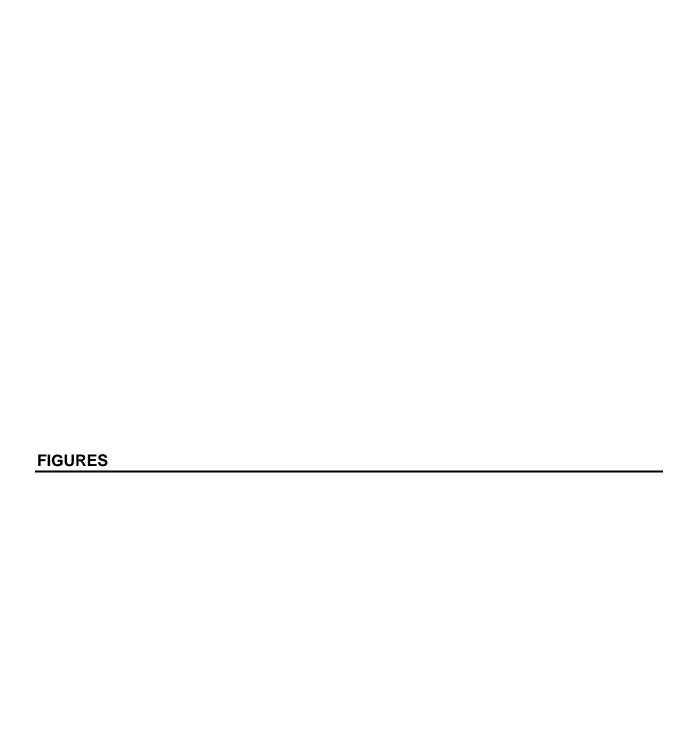
A discussion of uncertainty is an important component of the HHRA because the magnitude of uncertainty can greatly influence results and conclusions. Some of the sources of uncertainty in this assessment include the following:

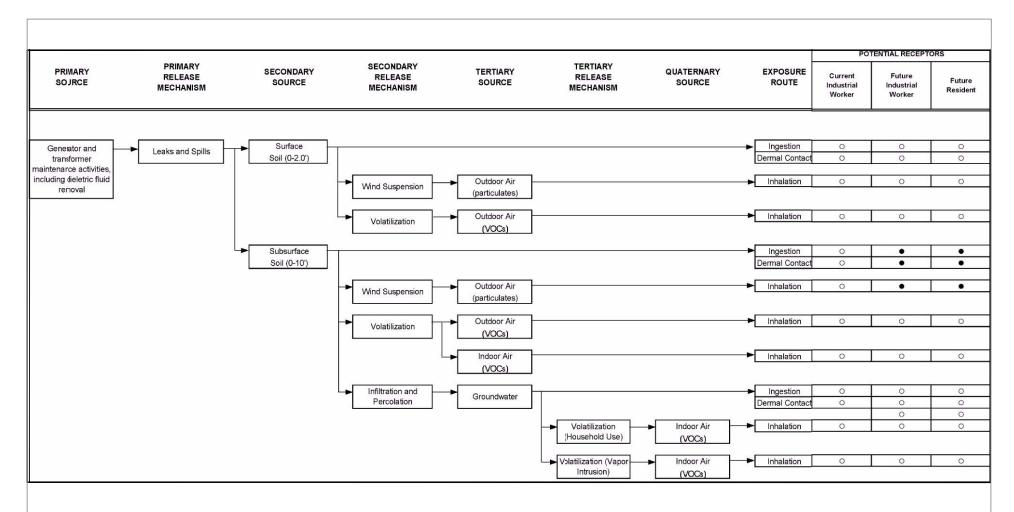
- The assumption that the EPCs calculated exist uniformly throughout the investigation area and that concentrations are not removed from soil because of biodegradation, chemical oxidation, hydrolysis, or other chemical removal processes
- Unknown differences in absorption, distribution, metabolism, and excretion between human and laboratory animals, which are used as the basis for toxicity values
- The quality and appropriateness of scientific studies that form the basis of toxicity values
- The statistical models used to extrapolate from high to low doses using experimental animal data
- The basic underlying assumption in the dose-response model for carcinogens that no threshold is involved in the tumorigenesis of cancer
- Magnification of uncertainty through the multiplicative combination of many upperbound, conservative exposure assumptions
- Route-to-route extrapolations were used in the derivation of EPA Region 9 PRGs when toxicity values were unavailable for a given route of exposure
- Potential cancer risk and noncancer hazard estimates for the future industrial and
 residential exposure scenarios at IRP Site 23 were based on exposure to surface soil
 because Aroclor 1260 impacts are limited to surface soil. If development of the site
 occurs, it is likely that surface soil will be mixed with deeper, unimpacted subsurface
 soil at the site, effectively reducing the EPC for Aroclor 1260, and hence potential
 cancer risk and noncancer hazard.

This practice may result in inaccurate estimation of cancer risks and noncancer HIs because scientific evidence is not always available regarding chemical-specific effects for all routes of exposure.

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LEGEND

IRP Installation Restoration Program

VOC Volatile Organic Compound

→ Major pathway

Potentially complete exposure pathway

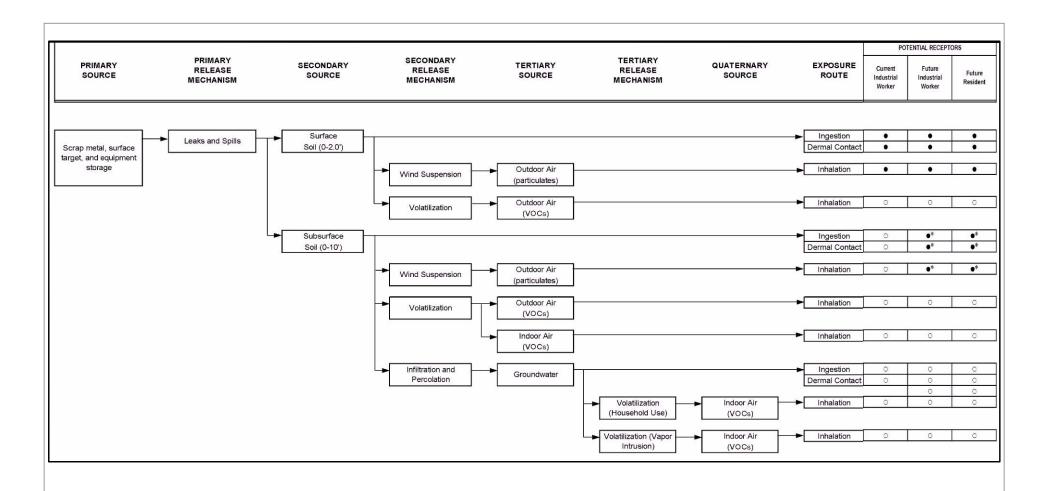
Construction Battaliion Center PORT HUENEME, CALIFORNIA

U.S. Department of the Navy, NAVFAC, Southwest Division, San Diego, California

FIGURE A-1

CONCEPTUAL SITE EXPOSURE MODEL HUMAN HEALTH RISK ASSESSMENT FOR IRP SITE 12B

On-Scene Coordinator Report IRP Sites 12B and 23





LEGEND

IRP Installation Restoration Program

VOC Volatile Organic Compound

→ Major pathway

Potentially complete exposure pathway

Construction Battalion Center PORT HUENEME, CALIFORNIA

U.S. Department of the Navy, NAVFAC, Southwest Division, San Diego, California

FIGURE A-2

CONCEPTUAL SITE EXPOSURE MODEL HUMAN HEALTH RISK ASSESSMENT FOR IRP SITE 23

On-Scene Coordinator Report IRP Sites 12B and 23

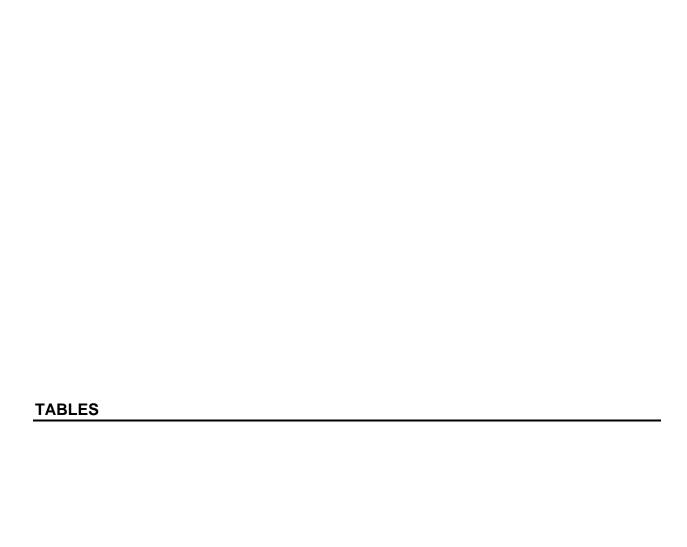


TABLE A-1: ANALYTICAL DATA SUMMARY STATISTICS FOR IRP SITE 12B, SUBSURFACE SOIL (0 TO 10 FEET BELOW GROUND SURFACE)

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical		tectic quen	•	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration ^a	Standard Deviation	UCL ₉₅ Concentration ^b	EPC°
Aroclor 1016	0	/	60						
Aroclor 1221	0	/	60						
Aroclor 1232	0	/	60						
Aroclor 1242	0	/	60						
Aroclor 1248	0	/	60						
Aroclor 1254	0	/	60						
Aroclor 1260	46	/	60	3	6,900	566	1,275	841	841

Notes: Units are micrograms per kilogram.

a The arithmetic mean was calculated if the compound was detected in at least one sample, using one-half the laboratory-reported value for nondetects.

b The UCL₉₅ was calculated assuming the data are normally distributed using the procedure described in U.S. Environmental Protection Agency guidance (1992).

The EPC is minimum of the maximum detected concentration and the UCL₉₅.

EPC Exposure point concentration

 UCL_{95} One-sided 95 percent upper confidence limit

TABLE A-2: ANALYTICAL DATA SUMMARY STATISTICS FOR IRP SITE 23, SURFACE SOIL (0 TO 2 FEET BELOW GROUND SURFACE)

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical		tect que		Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration ^a	Standard Deviation	UCL ₉₅ Concentration ^b	EPC ^c
Aroclor 1016	0	/	31						
Aroclor 1221	0	/	31						
Aroclor 1232	0	/	31						
Aroclor 1242	0	/	31						
Aroclor 1248	0	/	31						
Aroclor 1254	0	/	31						
Aroclor 1260	26	/	31	3	3,000	169	542	334	334

Notes: Units are micrograms per kilogram.

a The arithmetic mean was calculated if the compound was detected in at least one sample, using one-half the laboratory-reported value for nondetects.

b The UCL₉₅ was calculated assuming the data are normally distributed using the procedure described in U.S. Environmental Protection Agency guidance (1992).

c The EPC is minimum of the maximum detected concentration and the UCL₉₅.

EPC Exposure point concentration

UCL₉₅ One-sided 95 percent upper confidence limit

TABLE A-3: STANDARD DEFAULT EXPOSURE ASSUMPTIONS USED TO DEVELOP EPA REGION 9 PRELIMINARY REMEDIATION GOALS

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

		s Used to diation Goals ^a		
	Industrial	Res	sident	
Exposure Parameter	Worker	Adult	Child	Units
General Parameters				•
Exposure Frequency	250	350	350	days/year
Exposure Duration	25	24	6	years
Body Weight	70	70	15	kg
Averaging Time - Carcinogens	25,550	25,550	25,550	days
Averaging Time - Noncarcinogens	9,125	8,760	2,190	days
Soil Ingestion Pathway				
Soil Ingestion Rate	100	100	200	mg/day
Dermal Contact With Soil Pathway	A			h
Exposed Skin Surface Area	3,300	5,700	2,800	cm ²
Soil-to-Skin Adherence Factor	0.2	0.07	0.2	mg/cm ²
Fraction of Chemical Dermally Absorbed	0.14	0.14	0.14	unitless
Inhalation of Particulates Released from	Soil Pathway			
Inhalation Rate (adult)	20	20	10	m ³ /day
Particulate Emission Factor	1.316 × 10 ⁹	1.316 × 10 ⁹	1.316 × 10 ⁹	m³/kg

Notes:

a U.S. Environmental Protection Agency (2002)

cm² Square centimeter
 m³/day Cubic meter per day
 m³/kg Cubic meter per kilogram
 mg/cm² Milligram per square centimeter

kg Kilogram

TABLE A-4: CANCER RISK AND HAZARD INDEX FOR IRP SITE 12B FUTURE INDUSTRIAL WORKER EXPOSURE TO SOIL 0- TO 10-FOOT DEPTH INTERVAL

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical of	Exposure Point Concentration	Goal" (mg/kg)		Cancer Risk	Hazard Index
Potential Concern	(mg/kg)	Cancer	Noncancer ^b	(unitless)	(unitless)
Aroclor 1260	8.41×10^{-1}	7.40×10^{-1}	1.10 × 10 ¹	1.14×10^{-6}	7.64 × 10 ⁻²
			TOTAL:	1 × 10 ⁻⁶	8 × 10 ⁻²

Notes:

a U.S. Environmental Protection Agency (2002)

b Aroclor 1254 is used as surrogate to evaluate noncancer effects.

TABLE A-5: CANCER RISK AND HAZARD INDEX FOR IRP SITE 12B, FUTURE RESIDENT EXPOSURE TO SOIL 0- TO 10-FOOT DEPTH INTERVAL

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical of	Exposure Point Concentration	Residential Soil Preliminar		Cancer Risk	Hazard Index
Potential Concern	(mg/kg)	Cancer	Noncancer ^b	(unitless)	(unitless)
Aroclor 1260	8.41 × 10 ⁻¹	2.20×10^{-1}	1.10	3.82 × 10 ⁻⁶	7.64 × 10 ⁻¹
			TOTAL:	4 × 10 ⁻⁶	8 × 10 ⁻¹

Notes:

a U.S. Environmental Protection Agency (2002)\

b Aroclor 1254 is used as surrogate to evaluate noncancer effects.

TABLE A-6: CANCER RISK AND HAZARD INDEX FOR IRP SITE 23, CURRENT AND FUTURE INDUSTRIAL WORKER EXPOSURE TO SOIL 0- TO 2-FOOT DEPTH INTERVAL

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical of	Exposure Point Concentration	Industrial Soil Preliminary Remediation Goal ^a (mg/kg)		Cancor Pick	Hazard Index
Potential Concern	(mg/kg)	Cancer	Noncancer ^b	(unitless)	(unitless)
Aroclor 1260	3.34 × 10 ⁻¹	7.40×10^{-1}	1.10 × 10 ¹	4.52 × 10 ⁻⁷	3.04 × 10 ⁻²
			TOTAL:	5 × 10 ⁻⁷	3 × 10 ⁻²

Notes:

a U.S. Environmental Protection Agency (2002)\

b Aroclor 1254 is used as surrogate to evaluate noncancer effects.

TABLE A-7: CANCER RISK AND HAZARD INDEX FOR IRP SITE 23, FUTURE RESIDENT EXPOSURE TO SOIL 0- TO 2-FOOT DEPTH INTERVAL

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

Chemical of	Exposure Point Concentration	Residential Soil Preliminary Remediation Goal ^a (mg/kg)		Cancer Risk	Hazard Index
Potential Concern	(mg/kg)	Cancer	Noncancer ^b	(unitless)	(unitless)
Aroclor 1260	3.34 × 10 ⁻¹	2.20×10^{-1}	1.10	1.52 × 10 ⁻⁶	3.04 × 10 ⁻¹
			TOTAL:	2 × 10 ⁻⁶	3 × 10 ⁻¹

Notes:

a U.S. Environmental Protection Agency (2002)

b Aroclor 1254 is used as surrogate to evaluate noncancer effects.

TABLE A-8: CANCER RISK AND HAZARD INDEX SUMMARY, POST REMOVAL SOIL RISK EVALUATION IRP SITES 12B AND 23

On-Scene Coordinator's Report for Soil Removal and Disposal for the CERCLA Non-Time-Critical Removal Action, IRP Sites 12B and 23 Naval Base Ventura County, Construction Battalion Center, Port Hueneme, California

IRP Site	Exposure Medium	Exposure Scenario ^a	Cancer Risk ^b	Noncancer Hazard ^b
12B	Subsurface Soil (0 to 10 feet bgs)	Future Industrial	1 × 10 ⁻⁶	8 × 10 ⁻²
	(3.33.3.3.3.3.3.7)	Hypothetical Future Residential	4 × 10 ⁻⁶	8 × 10 ⁻²
23	23 Surface Soil (0 to 2 feet bgs)	Current and Future Industrial	5 × 10 ⁻⁷	3 × 10 ⁻²
	(1 11 = 1001 290)	Hypothetical Future Residential	2 × 10 ⁻⁶	3 × 10 ⁻¹

Notes:

- a Current exposure scenarios assume exposure to surface soil, while future exposure scenarios assume exposure to subsurface soil. This difference is based on the assumption that site development to accommodate future land use scenarios would involve disturbance soil, potentially making subsurface soil available at the surface for contact. Site 12B is paved, therefore no complete current exposure pathways exist. Impacts at Site 23 are limited to surface soil, therefore both current and future exposure scenarios are evaluated for exposure to surface soil.
- b Based on 95 percent upper confidence limit concentration of Aroclor 1260.

bgs Below ground surface

APPENDIX B

FINAL ACTIVITIES REPORT, SOIL REMOVAL AND DISPOSAL FOR THE CERCLA NON-TIME CRITICAL REMOVAL ACTION AT INSTALLATION RESTORATION PROGRAM SITES 12B AND 23, NAVAL BASE VENTURA COUNTY, PORT HUENEME SITE, CALIFORNIA (PREPARED BY GEOFON, AUGUST 6, 2002)

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FINAL FIELD ACTIVITIES REPORT

SOIL REMOVAL AND DISPOSAL FOR THE CERCLA NON-TIME CRITICAL REMOVAL ACTION AT INSTALLATION RESTORATION PROGRAM SITES 12B AND 23 NAVAL BASE VENTURA COUNTY PORT HUENEME SITE, CALIFORNIA

Contract No. N68711-97-D-8702 Delivery Order No. 0026

Prepared for:

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Southwest Division
Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, California 92132

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FINAL FIELD ACTIVITIES REPORT

SOIL REMOVAL AND DISPOSAL FOR THE CERCLA NON-TIME CRITICAL REMOVAL ACTION AT INSTALLATION RESTORATION PROGRAM SITES 12B AND 23 NAVAL BASE VENTURA COUNTY PORT HUENEME SITE, CALIFORNIA

Contract No. N68711-97-D-8702 Delivery Order No. 0026

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GEOFON, Inc.	Expires: 6/30/03/*
Senior Project Manager	OF CALL
Approved by: Allah Allahar	8/4/2002
Charles K. Duckworth, P.E.	Date
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Program Manager	* Exp. 9-30-03 *

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LIST OF ACRONYMS

APCL Applied P & CH Laboratory

Bgs below ground surface

Cal-EPA California Environmental Protection Agency

CERCLA Comprehensive Environmental Response, Compensation and Liability Act

COC chemical of concern

DoD Department of Defense

DOT Department of Transportation

DTSC Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

FSP Field Sampling Plan

GEOFON GEOFON, Inc.

GRS Geodetic Reference System

HI Hazard Index

IA immunoassay

IRP Installation Restoration Program

mg/kg milligram per killigram

NAD North American Datum

NAVFAC Naval Facilities Engineering Command

NBVC Naval Base Ventura County

NEDTS Navy Environmental Data Transfer Standards

NFA no further action

NFESC Naval Facilities Engineering Service Center

NGVD National geodetic Vertical Datum

NTCRA non-time critical removal action

PCBs polychlorinated biphenyls

PPE personal protective equipment

PWD Public Works Department

QAPP Quality Assurance Project Plan

LIST OF ACRONYMS

QA quality assurance

QC quality control

RAO removal action objective

ROICC Resident Officer in Charge of Construction

SPCS State Plane Coordinate System

SWDIV Southwest Division

USC United States Code

VOCs volatile organic compounds

1.0 INTRODUCTION

This Field Activities Report presents the results of the soil removal and disposal activities associated with the Non-Time Critical Removal Action (NTCRA) performed at Installation Restoration Program (IRP) Sites 12B and 23 located at the Naval Base Ventura County, Port Hueneme Site, California (NBVC Port Hueneme). The work was performed by GEOFON, Inc. (GEOFON) for the Southwest Division (SWDIV) Naval Facilities Engineering Command (NAVFAC), under Contract No. N68711-97-D-8702, Delivery Order No. 0026.

This Removal Action was designated non-time critical because its planning period was greater than 6 months. The U.S. Department of Defense (DoD) has the authority to undertake Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) response actions, including removal actions, under Title 42 of the United States Code (USC) Section 9604, Title 10 of the USC Section 2705, and Federal Executive Order No. 12580. The Navy performed this NTCRA in cooperation with the California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC), Region 4.

Summary of Events – Based on risk assessments performed during pervious investigations, polychlorinated biphenyl (PCBs) were determined to be the primary chemicals of concern (COCs) at IRP Sites 12B and 23.

The Navy decided to perform a NTCRA to limit potential exposure to chemicals of concern (COCs) in soils associated with IRP Sites 12B and 23 by removing soils with polychlorinated biphenyl (PCB) concentrations above the action level of 1.0 mg/kg (1,000 µg/kg). The removal action is an interim action that will accommodate the current industrial land use. A determination as to whether further action is necessary will be made upon review of the final post-removal confirmation sampling data. The removal action was performed in accordance with GEOFON's *Final Soil Removal and Disposal Work Plan* dated March 6, 2002 (GEOFON 2002) and the approved *Final Action Memorandum* prepared by the Navy (Navy 2002). The GEOFON Work Plan presents the circumstances and events leading to and including the NTCRA, and plans to implement the Removal Action.

2.0 SITE CONDITIONS

The following subsections discuss the site conditions at IRP Sites 12B and 23.

2.1 Facility Description and Background

NBVC Port Hueneme consists of 1,615 acres of costal land situated approximately 5 miles northwest of the Santa Monica Mountains. The installation is situated east of the unincorporated Channel Islands, south of the City of Oxnard and northwest of the City of Port Hueneme (See Figure 1). While there are other tenant organizations on base, the primary mission of NBVC Port Hueneme is to serve as a storage and mobilization area for military construction personnel and equipment.

NBVC Port Hueneme is a federally owned facility operated and managed by the Navy. Established in 1942 to meet World War II requirements, the facility now consists of approximately 750 buildings and supports a work force of over 10,000 individuals. Currently the facility is divided into homeported and deployed functions that include military and technical training, outfitting of the Naval Mobile Construction Battalions and Seabee Teams, supply and administrative services, and logistic support in the deployment of the Pacific Naval Construction Force. NBVC Port Hueneme is also host command to tenant activities and lessees, such as Civil Engineering Corps Officer School and Cal-Pacific Drilling. Fluctuations in growth of the base reflect increased mobilization activity associated with World War II, the Korean War, and the Vietnam War. Most existing facilities were constructed to support these periods of mobilization

2.2 Site Description and Background

This section provides the locations, descriptions and operational histories for IRP Sites 12B and 23.

2.2.1 IRP Site 12B-Construction Equipment Department (CED) PCB Spill Area

IRP Site 12B is located north of 32nd Avenue, between Victoria Avenue and Pennsylvania Road in the western portion of the Base (Figure 2). Prior to soil removal activities, the site consisted of an asphalt covered, rectangular-shaped area bounded by Building 816 on the east and Building 1192 on the west. All of IRP Site 12B was the removal site, which covered an area of approximately 5,500 square feet.

Between the early 1970s and 1980, IRP Site 12B was used to service generators and transformers. During maintenance activities, the dielectric fluid was removed from generators and transformers and filtered to reduce the moisture content and other impurities. Up to 10 gallons of dielectric fluid was spilled onto the ground during each generator and transformer

service (PRC Environmental Management, Inc. [PRC] 1993). An estimated total of 500 to 600 gallons of PCB-containing dielectric fluid was spilled at the site. The Initial Assessment Study (IAS) conducted in 1985, reported that the spills were cleaned up with rags that were disposed of off site (PRC 1993).

Results of previous sampling events at IRP Site 12B indicated that PCBs were detected at concentrations ranging from 0.052 to 2.7 mg/kg. PCBs were estimated to be present beneath all of IRP Site 12B.

Results of the screening-level risk evaluation conducted at IRP site 23 showed that the cancer risk associated with exposure to PCBs at the site was within the acceptable risk range of 1×10^{-4} to 1×10^{-6} , but non-cancer risk exceeded the threshold Hazard Index (HI) of 1 at the site. Therefore, a removal action was recommended in an effort to meet the target risk level established for these compounds.

2.2.2 IRP Site 23-Surface Targets

IRP Site 23 consists of a flat, unpaved, roughly triangular area of approximately 0.15 acre located in the southwestern portion of NBVC Port Hueneme, as shown in Figure 2. Access to the site is restricted by a chain-link fence on the north and east sides. There are no surface targets (targets for Navy artillery fire) or any other materials currently stored at the site. Hueneme Harbor lies approximately 800 feet east of IRP Site 23.

IRP Site 23 was used as a scrap metal accumulation area and as a temporary storage area for Navy surface targets for many years before 1986. The area was cleared of materials in 1991 (PRC and Montgomery Watson 1996). The available information does not indicate a specific PCB spill event or source; however, the PCBs are assumed to be associated with the storage of scrap metal and/or equipment.

Results of previous sampling events at IRP Site 23 indicated that PCBs were detected at concentrations ranging from 0.12 to 13.8 mg/kg, predominantly within the surface soils (3 to 5 inches bgs) at isolated locations and within small areas, totaling approximately 1,050 square feet.

Results of the screening-level risk evaluation conducted at IRP site 23 showed that the cancer risk associated with exposure to PCBs at the site was within the acceptable risk range of 1×10^{-4} to 1×10^{-6} , but non-cancer risk exceeded the threshold Hazard Index (HI) of 1 at the site. Therefore, a removal action was recommended in an effort to meet the target risk level established for these compounds.

3.0 SUMMARY OF FIELD ACTIVITIES

The general sequence of field tasks performed included mobilization, field setup (including land surveys), soil excavation, field screening and confirmation sampling, soil transportation and disposal, site restoration (including backfilling and compaction) and demobilization. Field events were recorded daily by GEOFON field personnel on the Contractor Production Reports and Contractor Quality Control Reports. These reports included summaries of work performed and other significant activities. A copy of the Contractor Production Reports and Contractor Quality Control Reports was delivered to the Navy Resident Officer in Charge of Construction (ROICC) at NBVC Port Hueneme. The daily field records were used to prepare the following chronology of events for work performed at IRP Sites 12B and 23.

<u>Date</u>	Event
December 19 through February 18, 2002	Mobilized equipment, materials and supplies to IRP Site 12B including field trailer. Performed utility clearance activities and a pre-construction land survey to delineate the proposed limits of excavation and establish the sampling grid at IRP Site 12B. Constructed temporary facilities including decontamination pads.
March 5, 2005	Mobilized construction equipment and field crew to the site. Constructed soil stockpile containments, exclusion zone, contamination reduction zone and perimeter fencing. Completed removal of asphalt from the proposed excavation area at IRP Site 12B and temporarily stockpiled on site
March 6 through March 7, 2002	Removed soil at IRP Site 12B to an approximate depth of 2 feet bgs and stockpiled on site.
March 7 through March 11, 2002	Removed soil at IRP Site 23 to an approximate depth of 1 foot bgs and stockpiled on site
March 11 through March 12, 2002	Collected soil samples from the bottom and sidewalls of the IRP Site 12B excavation and field screened the samples using semi-quantitative immunoassay (IA) kits to determine the environmental condition of non-excavated soil. Field screening results indicated that further excavation, both horizontally and vertically, was necessary.
March 12 through March 22, 2002	Collected soil samples from the bottom of the IRP Site 23 excavation and field screened the samples using semi-quantitative immunoassay (IA) kits to determine the environmental condition of non-excavated soil. Field screening results indicated that no further excavation was needed, therefore the soil samples were sent to an off-site laboratory on March 22, 2002 for confirmation analysis.

March 13 through March 27, 2002	Several iterations of excavation at IRP Site 12B were performed during this period, based on the results of field screening. On March 27, 2002, final soil samples were collected and sent to an off-site laboratory for confirmation analysis. The final excavation area at IRP Site 12B was approximately 60 to 75 feet in width, 140 feet in length, and averaged 4 feet in depth.
March 28 through April 3 2002	Loaded, transported and disposed of PCB-contaminated soil from IRP Sites 12B and 23 to Chemical Waste Management's Kettleman Hill Facility in Kettleman City, California
April 1 through April 2, 2002	Based on confirmation analytical results, areas with PCB concentrations above action levels were further excavated and re-sampled. Four soil samples were collected on April 2, 2002 and sent to an off-site laboratory for confirmation analysis.
April 8 through May 7,2002	On April 9, 2002, a land survey was performed to verify the limits of excavation. Completed site restoration activities, including screening of imported backfill material, backfilling and compaction, and site grading.
May 7 through May 8, 2002	Demobilized equipment, materials and supplies from IRP Site 12B including the field trailer.
May 15, 2002	Conducted a Final Inspection with the RPM.

3.1 Site Preparation

Prior to excavation, GEOFON coordinated with the Public Works Department (PWD) at NBVC Port Hueneme and Underground Service Alert (USA) to identify and demarcate subsurface utilities that might potentially obstruct the excavation. During the utility clearance, a 120-volt electrical line was identified traversing the excavation in the east-west direction, approximately 90 feet north of the south edge of the excavation (Appendix A). A discreet excavation was performed in the vicinity of the electrical line to confirm depth and alignment of the utility.

On December 9, 2001, Calvada Surveying, Inc. (Calvada) completed a pre-construction survey to delineate the proposed limits of excavation at both sites and to establish the sampling grid at IRP Site 12B. The pre-construction survey was performed by a California-registered land surveyor and established horizontal control points using Third-Order accuracy, Class I control. All control points were tied to the State Plane Coordinate System (SPCS), North American Datum 1983 (NAD 83). In addition, the pre-construction survey established vertical elevations of the control grid using vertical control based on National Geodetic Vertical Datum 1929 (NGVD 29). Elevations were measured to the nearest 0.01 foot. The survey data are included in Appendix A-Construction Survey Data.

Temporary fencing was installed around the excavation area at IRP Site 12B and decontamination stations were installed in order to facilitate for decontamination of the equipment at the excavation area. In addition, to prevent runon and runoff pollution, storm drains were sealed/covered and sand bags were used to divert rainwater away from the drains.

3.2 IRP Site 12B

3.2.1 Excavation

Excavation activities at IRP Site 12B began on March 6, 2002, with the excavation and stockpiling of the PCB-contaminated soil in accordance with the Final Work Plan (GEOFON, 2002). Soil was initially excavated to a depth of approximately 2 feet bgs within the lateral limits of the proposed excavation plan. Based on field screening results, several iterations of excavation were performed, both in the horizontal and vertical directions. The final excavation area at IRP Site 12B was approximately 60-75 feet wide, 140 feet long, and 4 feet deep as shown in Figure 3. Approximately 1,871 tons of soil was excavated and temporarily stockpiled at the site, pending transportation and disposal.

3.2.2 Field Screening

Field screening using semi-quantitative immunoassay (IA) kits was performed at IRP 12B to determine the environmental condition of non-excavated soil at IRP Site 12B. Field screening was conducted using the EnSys PCB Soil Test System, which conforms to EPA Method 4020 for screening for PCBs using immunoassay detection.

The method was performed using a sample extract. The sample and an enzyme conjugate reagent were added to an immobilized antibody. The enzyme conjugate competed with the PCB present in the sample for binding to the immobilized anti-PCB antibody. The test was interpreted by comparing the response produced by testing a sample to the response produced by testing a standard simultaneously. Samples that developed less color than the standard were interpreted as positive; meaning it contained PCBs at concentrations greater than the standard. A sample that developed more color than the standard was interpreted as negative; meaning it contained PCBs at concentrations less than standard.

3.2.3 Confirmation Sampling and Analytical Results

Soil sampling and analytical testing were conducted at IRP Site 12B to check for the presence of remaining COCs. All soil sampling and laboratory analysis was performed in accordance with the approved Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) (GEOFON 2002). On March 11, 19, 26, 27, 2002 and April 2, 2002, confirmation soil samples were collected from the excavation floor and sidewalls in accordance with the sampling grid

established during site preparation. Per the Final Work Plan (GEOFON 2002), confirmation samples were collected from the nodes of a 20- by 20-foot grid superimposed over the bottom of the IR Site 12B excavation and from other locations as identified in Figure 3. Where practical, confirmation samples were also collected 1.5 feet bgs from the sidewalls of the excavation at 20-foot intervals or less (Figure 3).

Forty-four confirmation and field quality control (QC) samples were collected and analyzed for PCBs using EPA Method 8082. If confirmation soil samples reported concentrations that exceeded the action level of 1 mg/kg (1,000 μ g/kg), they were treated as progress samples.

Sample analysis was performed by Applied Physics and Chemistry Laboratory (APCL), a California Environmental Laboratory Accreditation Program (ELAP)-certified and Naval Facilities Engineering Service Center (NFESC)-evaluated laboratory located in Chino, California. A summary of the laboratory results is presented in Table 1 and shown on Figure 3. Analytical results exceeding the action level of 1 mg/kg (1,000 mg/kg) is presented on Table 2 and shown on Figure 4. The laboratory reports and chain-of-custody documentation are included in Appendix B-Laboratory Reports and Chain-of Custody Documentation.

3.2.4 Stockpile Management

Soil stockpiles accumulated during the course of excavation activities at IRP Site 12B measured approximately 1,871 tons. The stockpile area was prepared by placement of 10-mil polyethylene sheeting over the ground surface. These areas where then bermed with sandbags to contain any potential runoff from rain. Stockpiles were covered daily by 10-mil polyethylene sheeting and weighed down with sandbags around the perimeter to control the impact of the elements (e.g. wind, rain, etc.) on the stockpile. Stockpiled soil was characterized in accordance with the FSP (Appendix A) of the Final Work Plan (GEOFON 2002).

3.2.5 Waste Characterization

Stockpiles of PCB-contaminated soil were generated during the Removal Action field activities at IRP Site 12B for off-site disposal. Before off-site disposal, in accordance with the permit requirements of the disposal facility, soil samples were collected and analyzed for PCBs using EPA Method 8082, volatile organic compounds (VOCs) using EPA Method 8260B and metals by EPA Method 6010C. The analytical testing was performed by APCL. Eight representative soil samples were collected from the stockpiles and were composited into two samples by the laboratory before analysis. The results of these analyses are presented in Appendix B-Laboratory Reports and Chain-of Custody Documentation.

3.2.6 Transportation and Disposal

From March 28 through April 3, 2002, approximately 1,871 tons of soil at IRP Site 12B were excavated and transported off site as California state-designated/nonhazardous waste. All soils were transported to Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California. The waste was transported and disposed of based on the analytical results of waste characterization sampling and the results of data collected in previous investigations. All transportation was performed by a State of California licensed material hauler, subcontracted by Chemical Waste Management. The non-hazardous waste manifests and weight certificates are included in Appendix C-Non-Hazardous Waste Manifests and Weight Certificates.

Personal protective equipment (PPE) generated on site were contained within a Department of Transportation (DOT)-approved 30-gallon drum and was disposed of non-hazardous waste by EFR Environmental Services, Inc. to Superior Special Services, Inc. located in Phoenix, Arizona.

3.2.7 Backfill

Backfilling activities began on April 8, 2002. In accordance with the approved Work Plan, clean import material and fill sand was imported to the site and used as backfill at IRP Site 23. Prior to use, the clean import material was characterized and approval was obtained from the RPM. The analytical test reports are included in Appendix B-Laboratory Reports and Chain-of Custody Documentation. The geotechnical testing results are included in Appendix D-Geotechnical Testing Results.

The clean import material, which consisted of brown clayey silt to silty sand, was screened to ¾-inch and was placed in loose 1-foot lifts to approximately 21-inches bgs, moisture conditioned, and compacted using a steel-drum roller, a wheel loader and other tracked equipment. Compaction testing was performed by Associated Soils Engineering, Inc to verify compliance with the compaction criteria of 90%. Whenever the compaction results failed the 90% criteria, the area was moisture conditioned and compacted again to achieve the desired compaction rate. The compaction testing reports are included in Appendix E-Compaction Testing Results. The site was then graded with fill sand to approximately 9-inches bgs. An aggregate base course and asphaltic concrete shall be placed by others.

3.3 IRP Site 23

3.3.1 Excavation

Excavation activities at IRP Site 23 began on March 7, 2002, with the excavation and stockpiling of the PCB-contaminated soil in accordance with the Final Work Plan (GEOFON, 2002). Initially, the entire site (Figure 5) was excavated to a depth of 1-foot bgs. Based on confirmation

analytical results, an L-shaped area (Figure 5), were samples reported concentrations of PCBs above the action level of 1 mg/kg, was further excavated to a depth of approximately 2 feet bgs. The final excavation area at IRP Site 23 is shown on Figure 5. Approximately 590 tons of soil was excavated and temporarily stockpiled at the site, pending transportation and disposal.

3.3.2 Field Screening

Field screening using semi-quantitative IA kits was performed at IRP Site 23 to determine the environmental condition of non-excavated soil at IRP Site 12B. Field screening was conducted using the EnSys PCB Soil Test System, which conforms to EPA Method 4020 for screening for PCBs using immunoassay detection.

The method was performed using a sample extract. The sample and an enzyme conjugate reagent were added to an immobilized antibody. The enzyme conjugate competed with the PCB present in the sample for binding to the immobilized anti-PCB antibody. The test was interpreted by comparing the response produced by testing a sample to the response produced by testing a standard simultaneously. Samples that developed less color than the standard were interpreted as positive; meaning it contained PCBs at concentrations greater than the standard. A sample that developed more color than the standard was interpreted as negative; meaning it contained PCBs at concentrations less than standard.

3.3.3 Confirmation Sampling and Analytical Results

Soil sampling and analytical testing were conducted at IRP Site 23 to check for the presence of remaining COCs. On March 12, 2002 and April 2, 2002, confirmation soil samples were collected from the excavation floor. Confirmation samples were collected from the nodes of a 20- by 20-foot grid superimposed over the bottom of the IR Site 23 excavation and from other locations as identified in Figure 5.

Thirty confirmation and field quality QC samples were collected and analyzed for PCBs using EPA Method 8082. If confirmation soil samples reported concentrations that exceeded the action level of 1 mg/kg $(1,000 \,\mu\text{g/kg})$, they were treated as progress samples.

Sample analysis was performed by APCL. A summary of the laboratory results is presented in Table 3 and shown on Figure 5. The laboratory reports and chain-of-custody documentation are included in Appendix B-Laboratory Reports and Chain-of Custody Documentation.

No PCBs were detected in any of the final confirmation soil samples (Figure 5) collected at IRP Site 23 at concentrations exceeding the action level of 1 mg/kg (1,000 µg/kg).

3.3.4 Stockpile Management

Soil stockpiles accumulated during the course of excavation activities at IRP Site 23 measured approximately 590 tons. The stockpile area was prepared by placement of 10-mil polyethylene sheeting over the ground surface. These areas where then bermed with sandbags to contain any potential runoff from rain. Stockpiles were covered daily by 10-mil polyethylene sheeting and weighed down with sandbags around the perimeter to control the impact of the elements (e.g. wind, rain, etc.) on the stockpile. Stockpiled soil was characterized in accordance with the FSP (Appendix A) of the Final Work Plan (GEOFON 2002).

3.3.5 Waste Characterization

Stockpiles of PCB-contaminated soil were generated during the Removal Action field activities at IRP Site 23 for off-site disposal. Before off-site disposal, in accordance with the permit requirements of the disposal facility, soil samples were collected and analyzed for PCBs using EPA Method 8082, VOCs using EPA Method 8260B and metals by EPA Method 6010C. The analytical testing was performed by APCL. Eight representative soil samples were collected from the stockpiles and were composited into two samples by the laboratory before analysis. The results of these analyses are presented in Appendix B-Laboratory Reports and Chain-of Custody Documentation.

3.3.6 Transportation and Disposal

From March 28 through April 3, 2002, approximately 590 tons of soil at IRP Site 23 were excavated and transported off site as California state-designated/nonhazardous waste. All soils were transported to Chemical Waste Management's Kettleman Hill Facility located in Kettleman City, California. The waste was transported and disposed of based on the analytical results of waste characterization sampling and the results of data collected in previous investigations. All transportation was performed by a State of California licensed material hauler, subcontracted by Chemical Waste Management. The non-hazardous waste manifests and weight certificates are included in Appendix C-Non-Hazardous Waste Manifests and Weight Certificates.

PPE generated on site were contained within a DOT-approved 30-gallon drum and was disposed of non-hazardous waste by EFR Environmental Services, Inc. to Superior Special Services, Inc. located in Phoenix, Arizona.

3.3.7 Backfill

Backfilling activities began on April 8, 2002. In accordance with the approved Work Plan, clean import material and fill sand was imported to the site and used as backfill at IRP Site 23. Prior to use, the clean import material was characterized and approval was obtained from the RPM. The

analytical test reports are included in Appendix B-Laboratory Reports and Chain-of Custody Documentation. The geotechnical testing results are included in Appendix D-Geotechnical Testing Results.

The clean import material, which consisted of brown clayey silt to silty sand, was screened to ¾-inch and was placed in loose 1-foot lifts to approximately 6-inches bgs, moisture conditioned, and compacted using a steel-drum roller, a wheel loader and other tracked equipment. Compaction testing was performed by Associated Soils Engineering, Inc to verify compliance with the compaction criteria of 90%. Whenever the compaction results failed the 90% criteria, the area was moisture conditioned and compacted again to achieve the desired compaction rate. The compaction testing reports are included in Appendix E-Compaction Testing Results. The site was then fine graded with fill sand to a level consistent with the elevation of the site prior to excavation.

4.0 QUALITY ASSURANCE/QUALITY CONTROL

This section discusses QA/QC procedures performed during the removal action at IRP Sites 12B and 23: collection of field QC samples, data quality assessment, and data validation.

4.1 Quality Assurance/Quality Control Samples

Field QC samples, which included field duplicates, were collected during the removal action at IRP Sites 12B and 23. Field duplicates provide a measure of the total field and laboratory variability, including variability resulting from the inherent heterogeneity of soil. Four field duplicates were collected at IRP Site 12B and two field duplicates were collected at IRP Site 23. Results of field QC sampling are presented in Tables 1 and 3. The laboratory reports and chain-of-custody documentation are included in Appendix B-Laboratory Reports and Chain-of Custody Documentation.

4.2 Data Quality Assessment

Laboratory data collected during the removal action at IRP Site 12B and 23 have been reviewed to check that all requested analyses were performed from each sample. Holding times and sample temperatures also conformed to EPA-approved guidelines. Data was received from the laboratory both in hard copy and on computer diskette as an electronic data deliverable in a modified Navy Environmental Data Transfer Standards (NEDTS) format. Data from the diskette were verified manually against the hard copy laboratory reports for accuracy and will be submitted with the final report to the SWDIV.

4.3 Data Validation

Data Validation was performed by an independent firm, Laboratory Data Consultants (LDC) of Carlsbad, California for all confirmation samples collected at IRP Sites 12B and 23. Data validation was performed according to the following guidelines:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review. October 1999.
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, Update 1, July 1992; Update IIA, August 1993; Update II, September 1994; Update IIB, January 1995; Update III, December 1996.

Raw data were evaluated for ten percent of the sample analyses. Raw data validation follows EPA Level IV guidelines. The remaining 90 percent of the data were validated at EPA Level III for criteria not including raw data. This data validation strategy follows the U.S. Navy Southwest Division, Environmental Work Instruction 3EN2.1-Chemical Data Validation (SWDIV 2001).

The following qualifiers were assigned to sampling results as necessary:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

No data were qualified as unusable, but qualifiers were assigned to results. Refer to Appendix F-Data Validation Reports for the complete data validation reports and assigned qualifiers.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The removal action objective (RAO) established for IRP Sites 12B and 23 is to limit potential exposure to COCs in soils associated with IRP Sites 12B and 23 by removing soils with PCB concentrations above the action level of 1.0 mg/kg (1,000 µg/kg). A determination as to whether further action is necessary will be made upon review of the final post-removal confirmation sampling data.

The soil removal and disposal work was performed in accordance with the approved Final Work Plan, under the direct supervision of the Resident Officer in Charge of Construction (ROICC) and in coordination with the Remedial Project Manager (RPM) and Contracting Officer. The fieldwork for the NTCRA has been completed as specified and all contaminant-impacted soils have been transported off-site for appropriate disposal.

5.1 IRP Site 12B

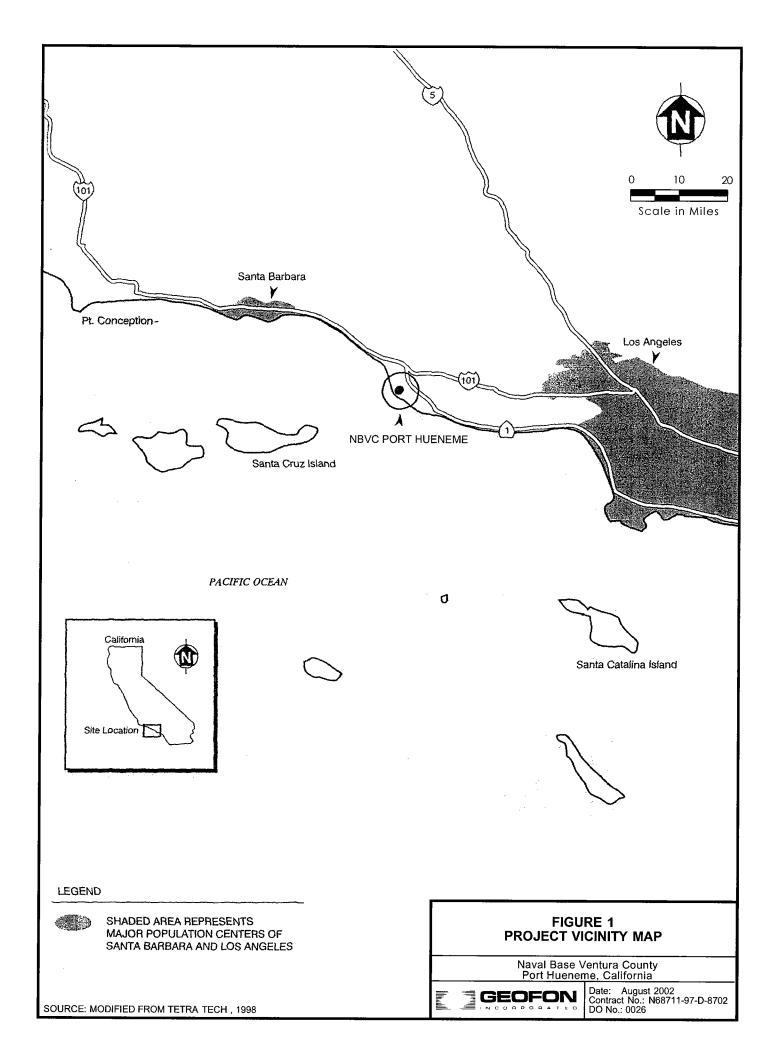
Final post-removal confirmation sampling data collected at IRP Site 12B indicates the presence of soils with PCBs concentrations above the action level of 1 mg/kg (1,000 μ g/kg) on the west, south and east sidewalls of the excavation. Based on post-removal confirmation sampling data, GEOFON concludes that further soil removal is necessary in order to achieve the RAO.

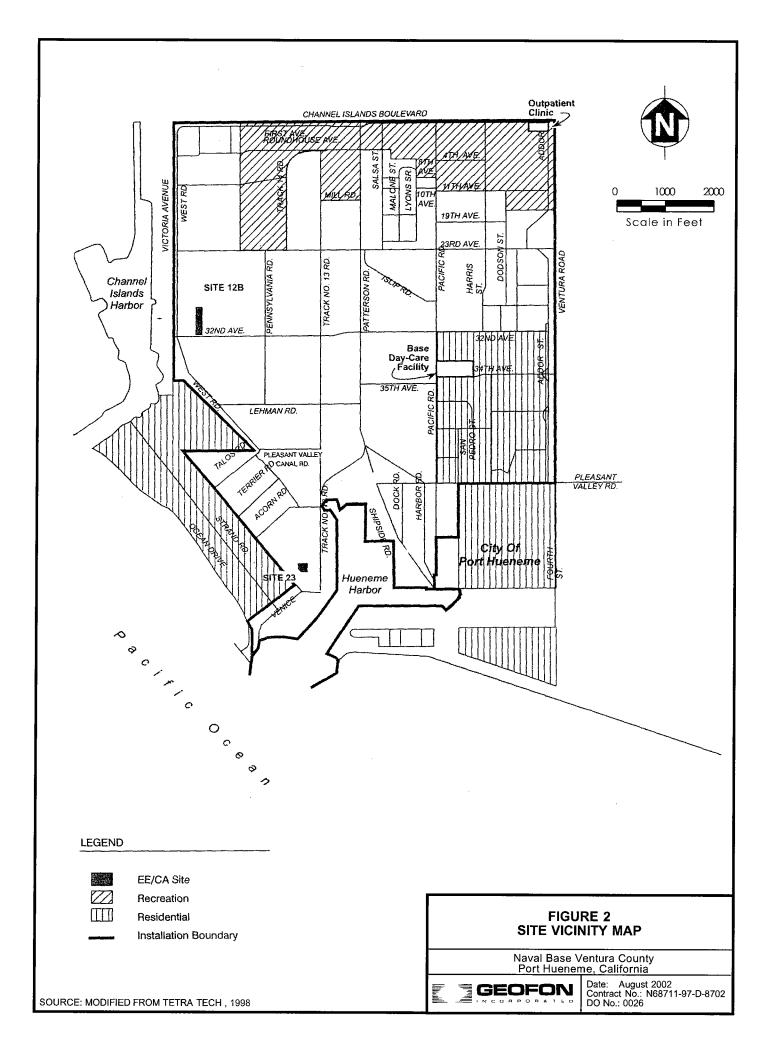
5.2 IRP Site 23

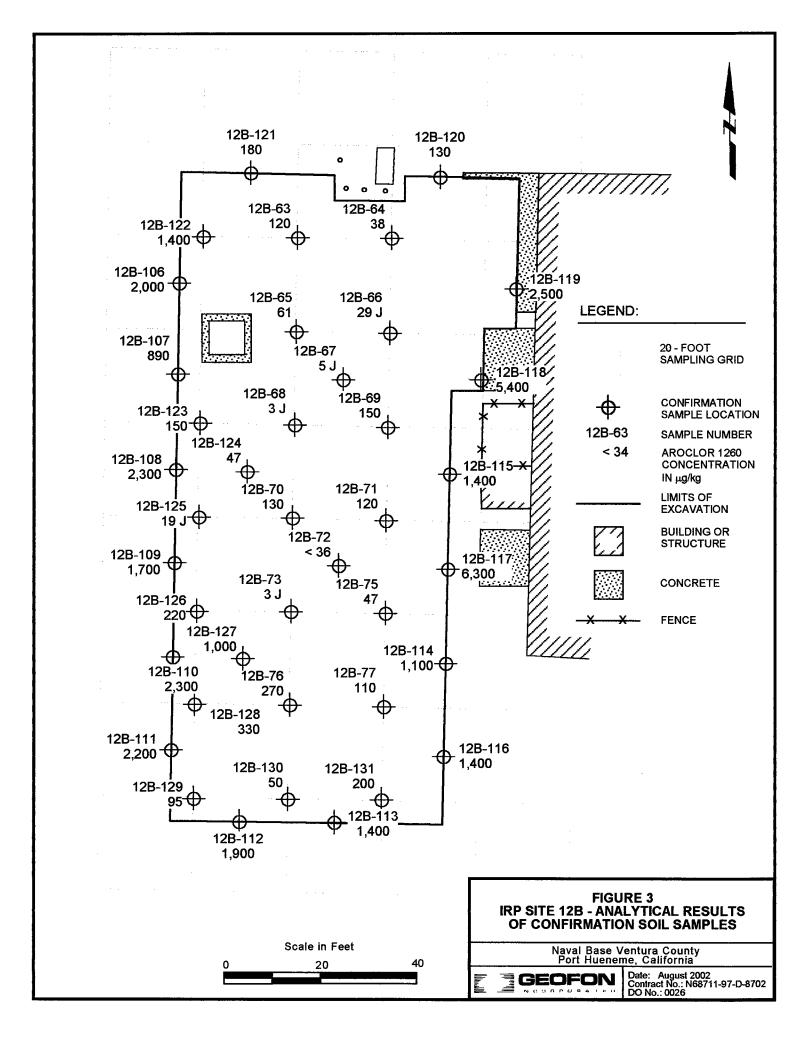
Final post-removal confirmation sampling data collected at IRP Site 23 indicates that soils with PCBs concentrations above the action level of 1 mg/kg (1,000 μ g/kg) have been removed. Furthermore, confirmation sampling data also indicates that soils with PCB concentrations above the Residential Preliminary Remediation Goal (PRG) of 0.22 mg/kg (220 μ g/kg) have been removed, thus accommodating residential land use. Based on post-removal confirmation sampling data, no further action (NFA) for PCB-contamination in soil and residential land use is recommended for IRP Site 23.

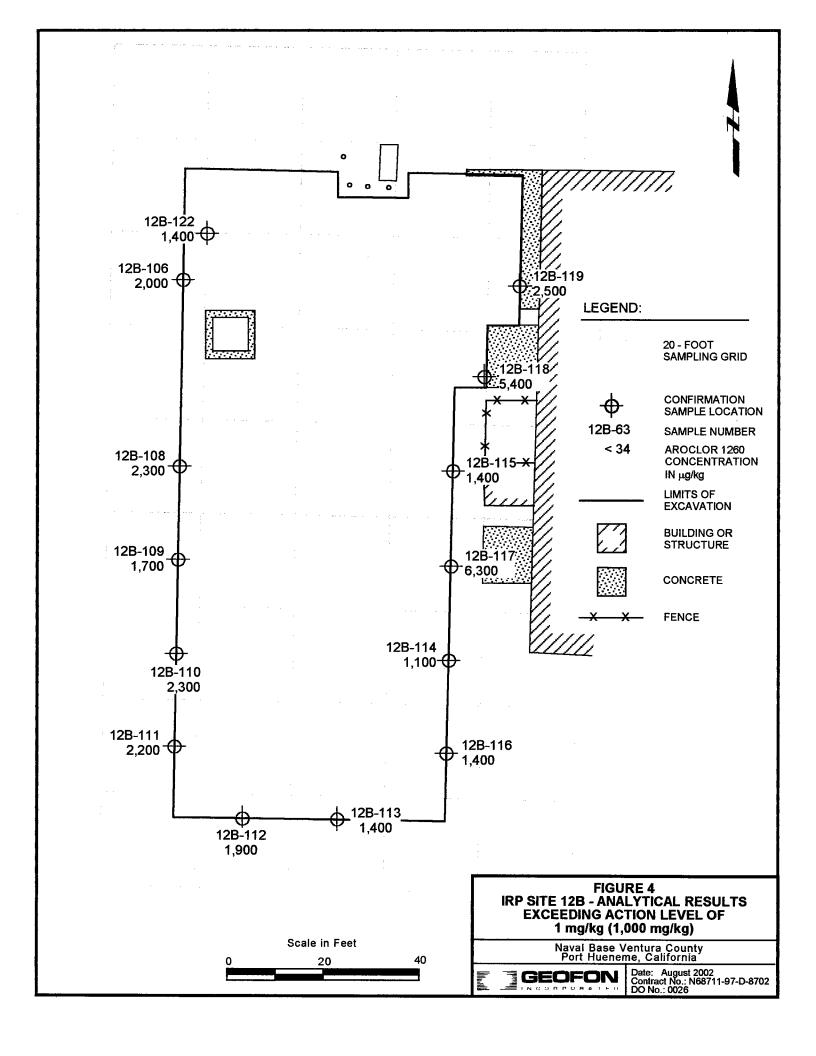
6.0 REFERENCE SOURCES

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- Navy. 2002. Action Memorandum/Removal Action Work Plan for Removal Action at Installation Restoration Program Sites 12B and 23, Naval Base Ventura County Port Hueneme Site, California. March 4.
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review. October 1999.
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, Update 1, July 1992; Update IIA, August 1993; Update II, September 1994; Update IIB, January 1995; Update III, December 1996.









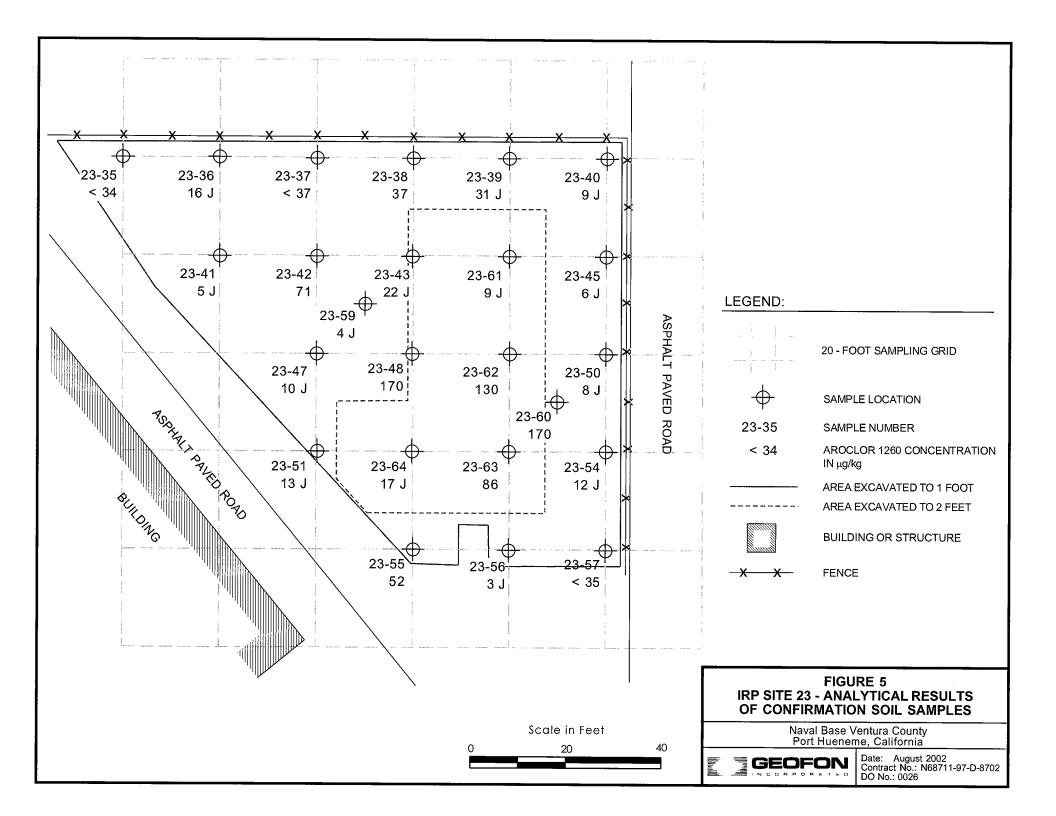


TABLE 1
IRP SITE 12B - SUMMARY OF ANALYTICAL RESULTS FOR
CONFIRMATION SOIL SAMPLES

Sample Identification Number	Sample Date	Sample Location	Sample Depth (feet)	Polychlorinted Biphenyls by EPA ^a Method 8082							
				Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	
	Practio	cal Quantitation	Limit (mg/kg) ^b	33	66	33	33	33	33	33	
4304250-12B-060				<740	< 1,500	< 740	< 740	< 740	< 740	3,100	
4304250-12B-061	3/11/02	PS	1.5	< 730	< 1,500	< 730	< 730	< 730	< 730	3,900	
4304250-12B-062	3/11/02	PS	1.5	< 730	< 1,500	< 730	< 730	< 730	< 730	4,100	
4304250-12B-063	3/19/02	EB^d	4	4 J ^e	< 71	< 36	< 36	< 36	< 36	120	
4304250-12B-064	3/19/02	EB	4	< 37	< 73	< 37	< 37	< 37	< 37	38	
4304250-12B-065	3/19/02	EB	4	< 36	< 72	< 36	< 36	< 36	< 36	61	
4304250-12B-066	3/19/02	EB	4	< 35	< 71	< 35	< 35	< 35	< 35	29 J	
4304250-12B-067	3/19/02	EB	4	< 36	< 73	< 36	< 36	< 36	< 36	5 J	
4304250-12B-068	3/19/02	EB	4	< 35	< 71	< 35	< 35	< 35	< 35	3 J	
4304250-12B-069	3/19/02	EB	4	< 36	< 73	< 36	< 36	< 36	< 36	150	
4304250-12B-070	3/19/02	EB	4	< 37	< 73	< 37	< 37	< 37	< 37	130	
4304250-12B-071	3/19/02	EB	4	< 37	< 75	< 37	< 37	< 37	< 37	120	
4304250-12B-072	3/19/02	EB	4	< 36	< 73	< 36	< 36	< 36	< 36	< 36	
4304250-12B-073	3/19/02	EB	4	< 38	< 75	< 38	< 38	< 38	< 38	3 J	
4304250-12B-074	3/19/02	FD^{f}	4	< 37	< 75	< 37	< 37	< 37	< 37	< 37	
4304250-12B-075	3/19/02	EB	4	< 36	< 73	< 36	< 36	< 36	< 36	47	
4304250-12B-076	3/19/02	EB	4	< 39	< 77	< 39	< 39	< 39	< 39	270	
4304250-12B-077	3/19/02	EB	4	< 35	< 70	< 35	< 35	< 35	< 35	$110 \mathrm{J}^{\mathrm{d}}$	
4304250-12B-106	3/26/02	SW^g	1.5	< 360	< 710	< 360	< 360	< 360	< 360	2,000	
4304250-12B-107	3/26/02	SW	1.5	< 190	< 370	< 190	< 190	< 190	< 190	890	
4304250-12B-108	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,300	
4304250-12B-109	3/26/02	SW	1.5	< 350	< 710	< 350	< 350	< 350	< 350	1,700	
4304250-12B-110	3/26/02	SW	1.5	< 360	< 720	< 360	< 360	< 360	< 360	2,300	
4304250-12B-111	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,200	
4304250-12B-112	3/26/02	SW	1.5	< 370	< 740	< 370	< 370	< 370	< 370	1,900	
4304250-12B-113	3/26/02	SW	1.5	< 360	< 720	< 360	< 360	< 360	< 360	1,400	
4304250-12B-114	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	1,100	
4304250-12B-115	3/26/02	SW	1.5	< 370	< 740	< 370	< 370	< 370	< 370	2,200	
4304250-12B-116	3/27/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	1,400	
4304250-12B-117	3/27/02	SW	1.5	< 730	< 1500	< 730	< 730	< 730	< 730	6,300	

TABLE 1
IRP SITE 12B - SUMMARY OF ANALYTICAL RESULTS FOR
CONFIRMATION SOIL SAMPLES

Sample Identification Number	Sample Date	Sample Location	Sample Depth (feet)	Polychlorinted Biphenyls by EPA ^a Method 8082							
				Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	
Practical Quantitation Limit (mg/kg) ^b			33	66	33	33	33	33	33		
4304250-12B-118	3/27/02	SW	1.5	< 740	< 1500	< 740	< 740	< 740	< 740	5,400	
4304250-12B-119	3/27/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,500	
4304250-12B-120	3/27/02	SW	1.5	< 36	< 71	< 36	< 36	< 36	< 36	130	
4304250-12B-121	3/27/02	SW	1.5	< 36	< 72	< 36	< 36	< 36	< 36	180	
4304250-12B-122	3/27/02	EB	3	< 370	< 740	< 370	< 370	< 370	< 370	1,400	
4304250-12B-123	3/27/02	EB	3	< 36	< 71	< 36	< 36	< 36	< 36	150	
4304250-12B-124	3/27/02	EB	3	< 38	< 76	< 38	< 38	< 38	< 38	47	
4304250-12B-125	3/27/02	EB	3	< 36	< 72	< 36	< 36	< 36	< 36	19 J	
4304250-12B-126	3/27/02	EB	3	< 35	< 70	< 35	< 35	< 35	< 35	220	
4304250-12B-127	3/27/02	EB	3	< 180	< 360	< 180	< 180	< 180	< 180	1,000	
4304250-12B-128	3/27/02	EB	3	< 36	< 73	< 36	< 36	< 36	< 36	330	
4304250-12B-129	3/27/02	EB	3	< 36	< 73	< 36	< 36	< 36	< 36	95	
4304250-12B-130	3/27/02	EB	3	< 36	< 72	< 36	< 36	< 36	< 36	50	
4304250-12B-131	3/27/02	EB	3	< 37	< 74	< 37	< 37	< 37	< 37	200	
4304250-12B-132	3/27/02	FD	1.5	< 35	< 70	< 35	< 35	< 35	< 35	220	
4304250-12B-133	3/27/02	FD	3	< 180	< 350	< 180	< 180	< 180	< 180	740	
4304250-12B-134	3/27/02	FD	1.5	< 370	< 730	< 370	< 370	< 370	< 370	2,300	

Notes:

^a EPA: United States Environmental Protection Agency

^b μg/kg: micrograms per kilogram

^c PS: progress sample

d EB: excavation bottom

^e J: reported between practical quantitation limit and method detection limit

^f FD: field duplicate

g SW: sidewall

TABLE 2
IRP SITE 12B - ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
EXCEEDING ACTION LEVEL OF 1 mg/kg (1,000 mg/kg)

Sample Identification Number	Sample Date	Sample Location	Sample Depth (feet)	Polychlorinted Biphenyls by EPA ^a Method 8082							
				Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	
Practical Quantitation Limit (mg/kg) ^b			33	66	33	33	33	33	33		
4304250-12B-106	3/26/02	SW^{c}	1.5	< 360	< 710	< 360	< 360	< 360	< 360	2,000	
4304250-12B-108	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,300	
4304250-12B-109	3/26/02	SW	1.5	< 350	< 710	< 350	< 350	< 350	< 350	1,700	
4304250-12B-110	3/26/02	SW	1.5	< 360	< 720	< 360	< 360	< 360	< 360	2,300	
4304250-12B-111	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,200	
4304250-12B-112	3/26/02	SW	1.5	< 370	< 740	< 370	< 370	< 370	< 370	1,900	
4304250-12B-113	3/26/02	SW	1.5	< 360	< 720	< 360	< 360	< 360	< 360	1,400	
4304250-12B-114	3/26/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	1,100	
4304250-12B-115	3/26/02	SW	1.5	< 370	< 740	< 370	< 370	< 370	< 370	2,200	
4304250-12B-116	3/27/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	1,400	
4304250-12B-117	3/27/02	SW	1.5	< 730	< 1500	< 730	< 730	< 730	< 730	6,300	
4304250-12B-118	3/27/02	SW	1.5	< 740	< 1500	< 740	< 740	< 740	< 740	5,400	
4304250-12B-119	3/27/02	SW	1.5	< 360	< 730	< 360	< 360	< 360	< 360	2,500	
4304250-12B-122	3/27/02	EB^d	3	< 370	< 740	< 370	< 370	< 370	< 370	1,400	
4304250-12B-134	3/27/02	FD^{e}	1.5	< 370	< 730	< 370	< 370	< 370	< 370	2,300	

Notes:

^a EPA: United States Environmental Protection Agency

^b μg/kg: micrograms per kilogram

c SW: sidewall

d EB: excavation bottom

e FD: field duplicate

TABLE 3
IRP SITE 23 - SUMMARY OF ANALYTICAL RESULTS FOR CONFIRMATION SOIL SAMPLES

					Poly	chlorinted Biph	enyls (PCBs) by	y EPA ^a Method	8082	
Sample Identification Number	Sample Date	Sample Location	Sample Depth (feet)	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)
	Practio	cal Quantitation	Limit (mg/kg) ^b	33	66	33	33	33	33	33
4304250-23-035	3/12/02	EB^{c}	1.0	< 34	< 68	< 34	< 34	< 34	< 34	< 34
4304250-23-036	3/12/02	EB	1.0	< 35	< 69	< 35	< 35	< 35	< 35	16 J ^d
4304250-23-037	3/12/02	EB	1.0	< 34	< 68	< 34	< 34	< 34	< 34	< 34
4304250-23-038	3/12/02	EB	1.0	< 35	< 71	< 35	< 35	< 35	< 35	37
4304250-23-039	3/12/02	EB	1.0	< 35	< 70	< 35	< 35	< 35	< 35	31 J
4304250-23-040	3/12/02	EB	1.0	< 37	< 75	< 37	< 37	< 37	< 37	9 J
4304250-23-041	3/12/02	EB	1.0	< 34	< 69	< 34	< 34	< 34	< 34	5 J
4304250-23-042	3/12/02	EB	1.0	< 35	< 69	< 35	< 35	< 35	< 35	71
4304250-23-043	3/12/02	EB	1.0	< 35	< 70	< 35	< 35	< 35	< 35	22 J
4304250-23-044	3/12/02	PS^{E}	1.0	< 35	< 70	< 35	< 35	< 35	< 35	330
4304250-23-045	3/12/02	EB	1.0	< 37	< 73	< 37	< 37	< 37	< 37	6 J
4304250-23-046	3/12/02	FD^f	1.0	< 37	< 74	< 37	< 37	< 37	< 37	17 J
4304250-23-047	3/12/02	EB	1.0	< 34	< 68	< 34	< 34	< 34	< 34	10 J
4304250-23-048	3/12/02	EB	1.0	< 35	< 70	< 35	< 35	< 35	< 35	170
4304250-23-049	3/12/02	PS	1.0	< 180	< 350	< 180	< 180	< 180	< 180	600
4304250-23-050	3/12/02	EB	1.0	< 36	< 72	< 36	< 36	< 36	< 36	8 J
4304250-23-051	3/12/02	EB	1.0	< 41	< 83	< 41	< 41	< 41	< 41	13 J
4304250-23-052	3/12/02	PS	1.0	< 350	< 690	< 350	< 350	< 350	< 350	2,700
4304250-23-053	3/12/02	PS	1.0	< 700	< 1400	< 700	< 700	< 700	< 700	4,300
4304250-23-054	3/12/02	EB	1.0	< 36	< 72	< 36	< 36	< 36	< 36	12 J
4304250-23-055	3/12/02	EB	1.0	< 34	< 68	< 34	< 34	< 34	< 34	52
4304250-23-056	3/12/02	EB	1.0	< 34	< 68	< 34	< 34	< 34	< 34	3 J
4304250-23-057	3/12/02	EB	1.0	< 35	< 69	< 35	< 35	< 35	< 35	< 35
4304250-23-058	3/12/02	FD	1.0	< 35	< 69	< 35	< 35	< 35	< 35	< 35
4304250-23-059	3/12/02	EB	1.0	< 34	< 69	< 34	< 34	< 34	< 34	4 J
4304250-23-060	3/12/02	EB	1.0	< 38	< 75	< 38	< 38	< 38	< 38	170
4304250-23-061	4/2/02	EB	2.0	< 34	< 69	< 34	< 34	< 34	< 34	9 J

TABLE 3 IRP SITE 23 - SUMMARY OF ANALYTICAL RESULTS FOR CONFIRMATION SOIL SAMPLES

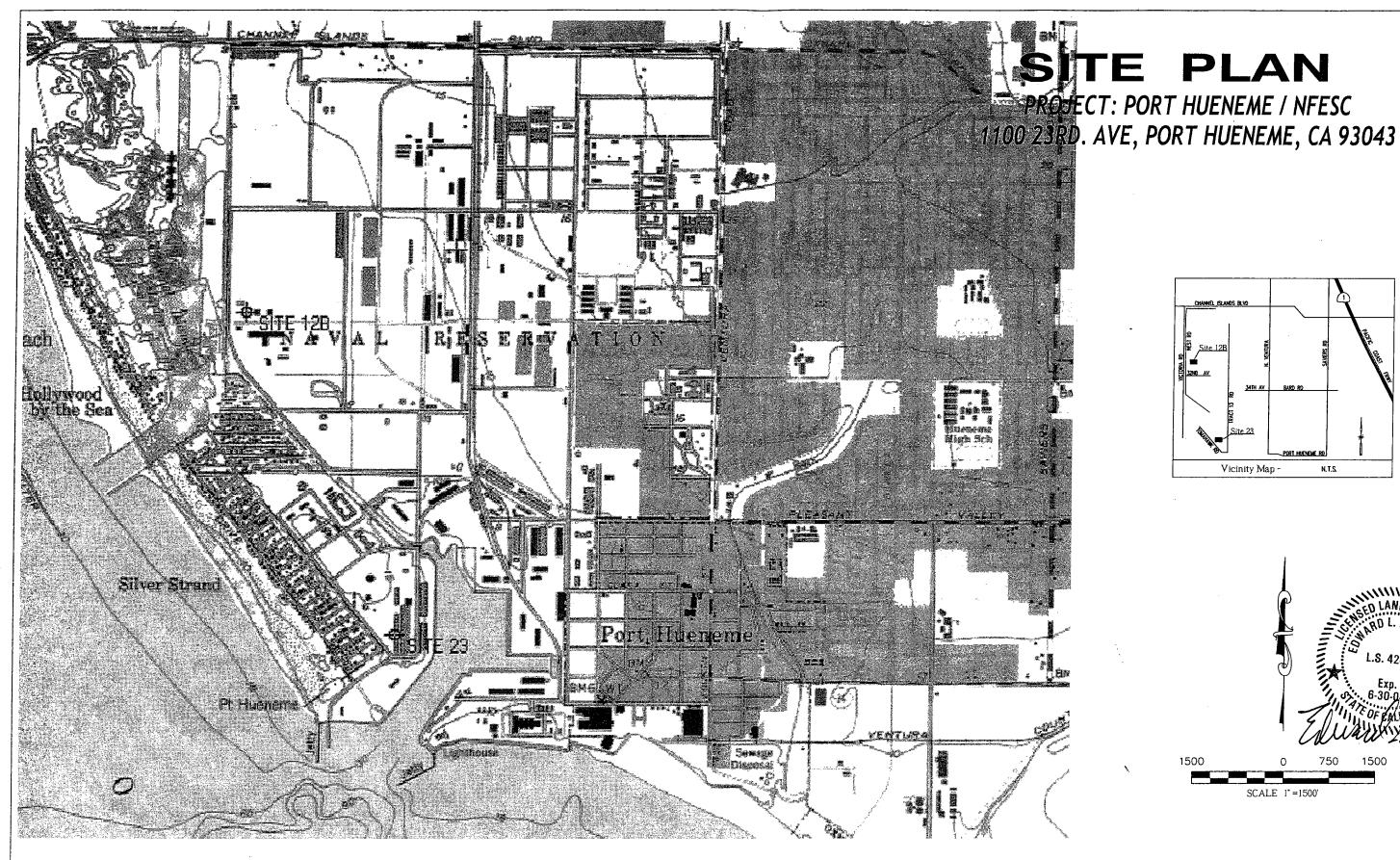
					Poly	chlorinted Biph	enyls (PCBs) by	y EPA ^a Method	8082	
Sample Identification Number	Sample Date	Sample Location	Sample Depth (feet)	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)
	Practio	cal Quantitation	Limit (mg/kg) ^b	33	66	33	33	33	33	33
4304250-23-062	4/2/02	EB	2.0	< 35	< 35	< 35	< 35	< 35	< 35	130
4304250-23-063	4/2/02	EB	2.0	< 34	< 34	< 34	< 34	< 34	< 34	86
4304250-23-064	4/2/02	EB	2.0	< 34	< 69	< 34	< 34	< 34	< 34	17 J

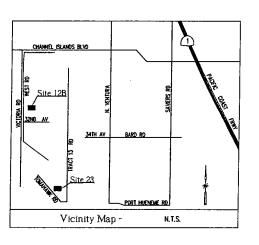
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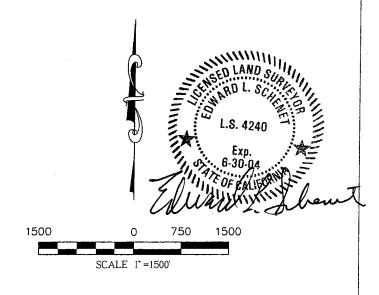
- ^a EPA: United States Environmental Protection Agency
- b mg/kg: micrograms per kilogram
- ^c EB: excavation bottom
- $^{\rm d}$ J: reported between practical quantitation limit and method detection limit
- e PS: progress sample
- f FD: field duplicate

APPENDIX A

CONSTRUCTION SURVEY DATA







DATE OF SURVEY

DECEMBER 19, 2001

BENCH MARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON NAIL AND SHINER IN SITE 12B, ELEVATION GIVEN BY CLIENT ELEVATION = 6.161 FEET (NGVD 29)

COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NADB3), CALIFORNIA ZONE V.

PREPARED FOR

GEOFON, INC
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765
PHONE: (909) 396-7662
(909) 396-1455 Fox

NO.	DATE	REVISIONS	BY
1	12/26/01	SUBMITTAL	DG
2	1/3/02	ADD COORDINATES	JT
3	4/9/02	ADD TOPO	мо

CAL VADA

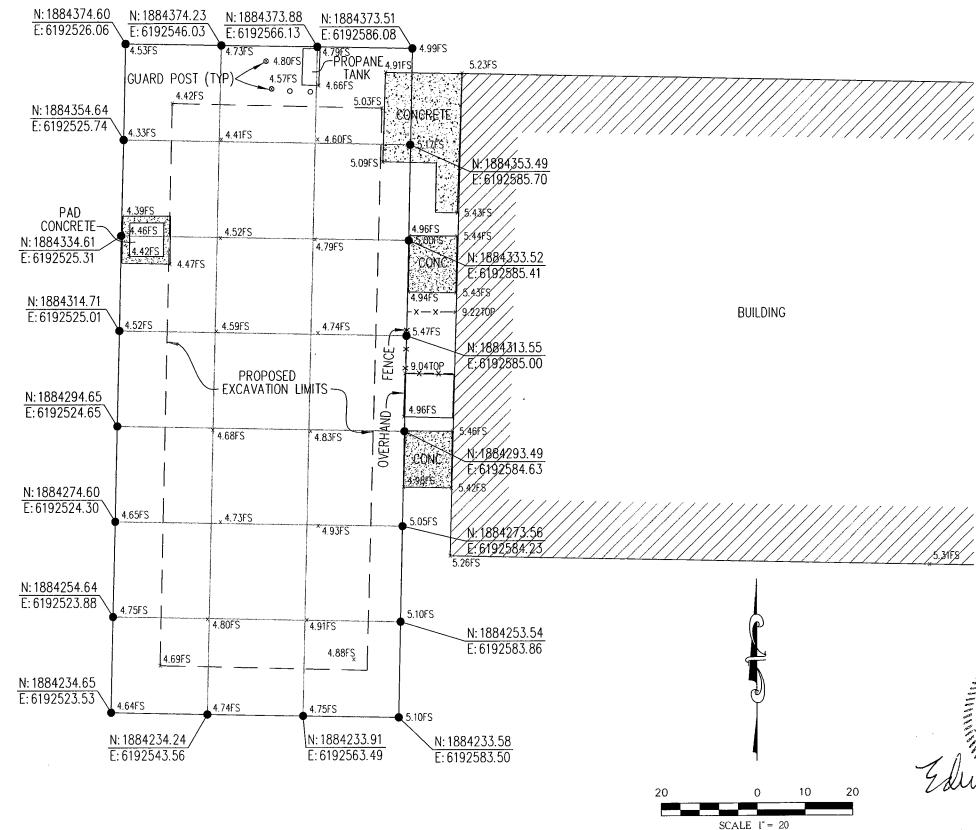
SURVEYING, INC.

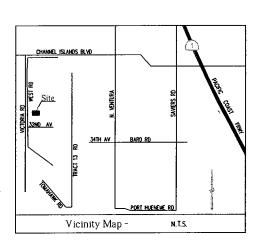
JOB NO. 01776

SHEET 1 OF 3

SITE PLAN

PROJECT: SITE 12B 1100 23RD. AVE, PORT HUENEME, CA 93043





<u> </u>	Leg	gend	
AC BH CLF EB EWB EV FS FR GW GV PHV SCO SD TV TMH TOW UB WM WW WVS	ASPHALT PAVING BORE HOLE CHAIN LINK FENCE ELECTRIC BOX ELECTRIC WAN HOLE ELECTRIC VAULT FINISH SURFACE FIRE RISER GAS METER GAS VAULT PHONE VAULT STORM DRAIN TELEPHONE VAULT TELEPHONE WAULT TELEPHONE WAULT TELEPHONE WAULT TUELPHONE MAN HOLE TOP OF WALL UTILITY BOX VAULT WATER BOX WATER BOX WATER BOX WATER METER	O O O O O O O O O O O O O O O O O O O	MONITORING WELL SPARGE POINT VAPOR EXTRACTION WELLS VAPOR EXTRACTION VALVES BORE HOLE TOP OF RIM TOP OF CASING TOP OF CURB FLOW LINE RAILROAD TRACKS PARKING LOT LIGHT WOOD FENCE CHAIN LINK FENCE CATCH BASIN LANDSCAPE TREE CENTER LINE PROPERTY LINE DEGREES SET CM/SHNR

DATE OF SURVEY

DECEMBER 19, 2001

BENCH MARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON NAIL AND SHINER IN SITE 12B, ELEVATION GIVEN BY CLIENT ELEVATION = 6.161 FEET (NGVD 29)

COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NAD83), CALIFORNIA ZONE V.

PREPARED FOR GEOFON, INC

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 PHONE: (909) 396-7662 (909) 396-1455 Fax

	BY	REVISIONS	DATE	NO.
1	DG	SUBMITTAL	12/26/01	1
	JT	ADD COORDINATES	1/3/02	2
L 19				
10 C				
w				
	-			

CAL VADA SURVEYING, INC.

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Corona, CA 92880-1782 Fox: (909) 280-9960

www.calvoda.com · (800) CALVADA (225-8232)

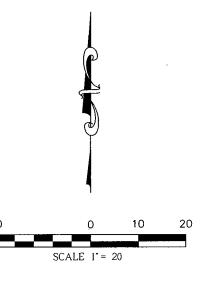
JOB NO. 01776

SHEET 2 OF 3

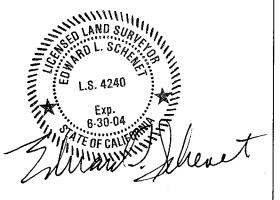
PROPANE 4.17 TOS VEP Q TANK 5.06TOS\EF 1.14TOE 4.31TOS\EP 0.87T0E 2.04T0E GUARD ROST (TYP) 0.98GRND SHOT 0.01 TOE 0.78GRND SHOT .29TOS\EP 2.18TOE 0.82TOE 0.77GRND SHOT PAD CONCRETE 0.87TØE 5.0 705XEF 0.96T0E 4.32FS 4.22FS 0.79GRND SHOT 0.35TOE 1.29TOE 4.94TO\$XEP/ ELECTRIC CONDUIT 9/2NG **BUILDING** 2.65TOS 46TOS\EP 1_30T0E 2.20TOE CONCRETE 0.83GRND SHOT 1.34TOE 3.1 ₹TOS 4.95TOS EP .57TOS\EP 3.46TÒE 4.35FS 4.35FS 1.89TOE 0.89GRND SHOT 1.58705 0.78T0E 0.83GRND BHOT 4.69TOS\EP 2.27TOE 2.48TOE 5.08TOS\EP EXCAVATION LIMIT 4.97TOS\EP 1.61TOE 0.94TOE 1.05JOE \$.32\TOS 1.43TOS MH 2.18TOS 1.98TOE .59TOS\EP 4.75TOS EP 1.89TOE 4.73TOS\EP 2.48T0Ė

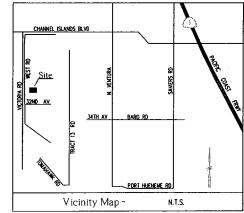
SITE PLAN

PROJECT: SITE 12B 1100 23RD. AVE, PORT HUENEME, CA 93043



	Leg	gend	
AC	ASPHALT PAVING	•	MONITORING WELL
BH	BORE HOLE	0	SPARGE POINT
CLF	CHAIN LINK FENCE	! ⊕	VAPOR EXTRACTION
EB	ELECTRIC BOX		₩ELLS
EMB	ELECTRIC MAN HOLE		VAPOR EXTRACTION
E۷	ELECTRIC VAULT	_	VALVES
FS	FINISH SURFACE	_®	BORE HOLE
FR	FIRE RISER	TOR	TOP OF RIM
CM	GAS METER	TOC	TOP OF CASING
MH	MAN HOLE	TC	TOP OF CURB
PHV	PHONE VAULT	FL FL	FLOW LINE
SC0	SEWER CLEAN OUT	_##	RAILROAD TRACKS
SD	STORM DRAIN	🎞	Parking Lot Light
TV	TELEPHONE VAULT		WOOD FENCE
TMH	TÉLEPHONE MAN HOLE	-==-	CHAIN LINK FENCE
TOW	TOP OF WALL		CATCH BASIN
UB	UTILITY BOX	▲	POT HOLE
VLT	VAULT		CENTER LINE
WB	WATER BOX		PROPERTY LINE
WM	WATER METER	DD	DEGREES
₩VS	WATER VALVES	•	SET CN/SHNR





DATE OF SURVEY

DECEMBER 19, 2001

BENCH MARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON NAIL AND SHINER IN SITE 12B, ELEVATION GIVEN BY CLIENT ELEVATION = 6.161 FEET (NGVD 29)

COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NADB3), CALIFORNIA ZONE V.

PREPARED FOR GEOFON, INC

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 PHONE: (909) 396-7662 (909) 396-1455 Fax

NO.	DATE	REVISIONS	BY
1	12/26/01	SUBMITTAL	DG
2	1/3/02	ADD COORDINATES	JT
3	4/9/02	ADD TOPO	МО

CAL VADA SURVEYING, INC.

Los Angeles · Son Froncisco · Denver · Phoenix 108 Business Center Drive Phone: (909) 280-9960 Corono, CA 92880-1782 Fox: (909) 280-9746 www.calvado.com · (800) CALVADA (225-8232)

JOB NO. 01776 SHEET 2 OF 3

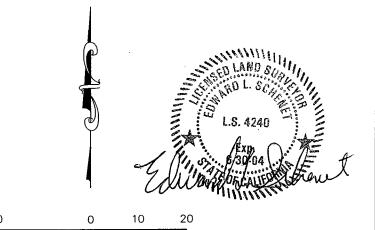
POWER POLE x 11.26FS 10.80PP CHAIN LINK FENCE-× 10.95NG × 10.74NG × 10.88NG × 10.74NG **EXCAVATION LIMITS** × 10.79NG × 11.01NG 10.84FS × 10.78NG 11.05FS × 11.07NG **EXCAVATION LIMITS-**× 11.14NG × 10.74NG × 10.91NG × 10.94NG 11.08FS 11.17FS GUARD POST (TYP) 11.20FS 13.31FS 11.01FS × 11.10NG × 11.24FS POWER POLE-11.15FS 11.00PP 11.08FS BENCH MARK **COORDINATES** DATE OF SURVEY DECEMBER 19, 2001 THE COORDINATES SHOWN HEREON ARE BASED UPON THE THE ELEVATIONS SHOWN HEREON ARE BASED UPON NAIL AND SHINER IN SITE 12B, ELEVATION GIVEN BY CLIENT ELEVATION = 6.161 FEET (NGVD 29) STATE PLANE COORDINATE SYSTEM (NAD83), CALIFORNIA ZONE V.

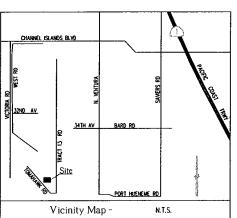
SITE PLAN

PROJECT: SITE 23 1100 23RD. AVE, PORT HUENEME, CA 93043

			MONITORI	ING WELLS			
WELL	NORTH	EAST	TATITITIE /ODA	LONGITUDE (DD)	TOR	FS	TOC
TVELL	IVORITI	LHOL	LHI II CIVE (DIV)	ENSTRUCTIONS (DD)	(ELEVATION)	(ELEVATION)	(B.E/ATION)
S23-W1	1878980.85	6194834.45	34.14 94 461	-119.2124563		13.31	

RISER HEIGHT DEFINITION: THE MEASURED DISTANCE FROM GROUND SURFACE TO TOP OF WELL CASING.





_11.17FS	
	7////X 11.1
1//	1//
V// ₂	
V//.	
V//.	
1//.	• ///
2///	
BUILDING	
	7//
1//,	<i>7//</i> /
1///	
	<i>- 7/2</i>
1//,	1//
V//.	
///.	
11.22FS	
17.72.13	
1//	1//
1//	
1///	1//
PREPARED FOR	///!

_	Leg	gend	
AC	ASPHALT PAVING	0	MONITORING WELL
BH	BORE HOLE		SPARGE POINT
Q.F	CHAIN LINK FENCE	⊛	VAPOR EXTRACTION
68	ELECTRIC BOX		WELLS
EMB	ELECTRIC MAN HOLE	1811	VAPOR EXTRACTION
E۷	ELECTRIC VAULT	ا م	BORE HOLE
FS	FINISH SURFACE	TOR	TOP OF RIM
FR	fire riser	TOC	TOP OF CASING
CM	gas meter	TC	TOP OF CURB
GV	GAS VAULT	FL	FLOW LINE
₽HV	PHONE VAULT	##	RAILROAD TRACK
SCO	SEWER CLEAN OUT	7	PARKING LOT LIG
SD	STORM DRAIN		WOOD FENCE
TV	TELEPHONE VAULT		CHAIN LINK FENCE
TMH	TELEPHONE MAN HOLE	CBI	CATCH BASIN
TOW	TOP OF WALL	- T	LANDSCAPE TREE
UB_	UTILITY BOX	100	CENTER LINE
VLT	VAULT		PROPERTY LINE
₩B	WATER BOX	DD	DEGREES
WM	WATER METER		
WVS	WATER VALVES	₽	LIGHT

PREPARED FOR

GEOFON, INC
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765
PHONE: (909) 396-7662
(909) 396-1455 Fox

NO.	DATE	REVISIONS	BY
1	12/26/01	SUBMITTAL	DG
2	1/3/02	ADD COORDINATES	JT
	1 1"		

CAL VADA SURVEYING, INC.

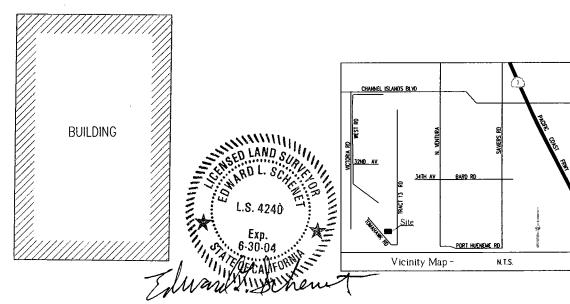
08 Business Center Drive Phone: (909) 280-9960 forono, CA 92880-1782 Fox: (909) 280-9746 ww.colvodo.com • (800) CALVADA (225-8232) JOB NO. 01776

SHEET 3 OF 3

POWER POLE 10.82TOS 9.84TOE CHAIN LINK FENCE 10.60TOS 9.89TOE 9.80TOS 8.67TOE 13.16TOS 8.69TOE) 10.91TOS 2.55TOE 9.85TOS 8.82TOE 9.58TOS 19.12TOE GUARD POST (TYP) 10.19TO 10.74TO 10.11TOE 11.02TOS 10.00TOE 11.08TOS POWER POLE-SCALE 1" = 20 **BENCH MARK COORDINATES DATE OF SURVEY** THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NAD83), CALIFORNIA ZONE V. THE ELEVATIONS SHOWN HEREON ARE BASED UPON NAIL AND SHINER IN SITE 12B, ELEVATION GIVEN BY CLIENT ELEVATION = 6.161 FEET (NGVD 29) DECEMBER 19, 2001

SITE PLAN

PROJECT: SITE 23 1100 23RD. AVE, PORT HUENEME, CA 93043



PREPARED FOR GEOFON, INC

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 PHONE: (909) 396-7662 (909) 396-1455 Fox

2 1/3/02 ADD COORDINATES JT	NO. 1	DATE 12/26/01	REVISIONS SUBMITTAL	DG
	2			
	3	4/9/02	ADD TOPO	МО

CAL VADA

Los Angeles - Son Froncisco - Denver - Phoenix
108 Business Center Drive - Phone: (909) 280–9966
corono, CA 92880–1782 - Fox: (909) 280–9746
www.colvada.com - (800) CALVADA (225–8232)
JOB NO. 01776
SHEET 3 OF 3

APPENDIX B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

IRP SITE 12B



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710 Tel. (909) 590-1828 Fax (909) 590-1498

April 5, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2078 and your project: NTCRA at 12B,23. Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

QA/QC Director

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022078

Collected by: Janaka Jayamaha Collected on: 03/11-19/02 Received: 03/20/02 Extracted: 03/20/02 Tested: 03/21-22/02

Reported: 03/25/02

Sample Description: Soil from IRP Site 12B

Project Description: 04-4304.250 NTCRA at 12 & 23

Analysis of Soil Samples

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-070 02-02078-1	4304250-12B-071 02-02078-2	4304250-12B-072 02-02078-3
MOISTURE	ASTM-D2216	%Moisture	0.5	9.8	11.9	9.5
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	<37	<37	< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 73	< 75	< 73
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	<37	<37	< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37	< 37	< 36
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37	< 37	< 36
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	<37	<37	< 36
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	130	120	< 36

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-073 02-02078-4	4304250-12B-074 02-02078-5	4304250-12B-075 02-02078-6
MOISTURE	ASTM-D2216	%Moisture	0.5	12.1	11.9	9.0
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 38	<37	< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 7 5	< 75	< 73
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 38	< 37	< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 38	<37	< 36
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	<38	<37	< 36
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33	<38	<37	< 36
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	3J	<37	47

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-076 02-02078-7	4304250-12B-077 02-02078-8	4304250-12B-060 02-02078-9
MOISTURE	ASTM-D2216	%Moisture	0.5	14.5	5.2	10.4

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

APCL Analytical Report

Component Analyzed	Method	Unit F	'QL	4304250-12B-076 02-02078-7	Analysis Result 4304250-12B-077 02-02078-8	4304250-12B-060 02-02078-9
PCBS	-7.14					
Dilution Factor				1	1	20
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 39	< 35	< 740
PCB-1221 (AROCLOR 1221)			66	< 77	< 70	<1500
PCB-1232 (AROCLOR 1232)			33	< 39	<35	< 740
PCB-1242 (AROCLOR 1242)			33	< 39	< 35	< 740
PCB-1248 (AROCLOR 1248)			33	< 39	< 35	< 740
PCB-1254 (AROCLOR 1254)		•	33	< 39	<35	< 740
PCB-1260 (AROCLOR 1260)		•	33	270	110	3,100
Component Analyzed	Method	Unit	PQ	L 4304250-12B-06	Analysis Result 1 4304250-12B-062 02-02078-11	
MOIGHIDE	A CITIVA DOGA	0/3.5				
MOISTURE PCBS	ASTM-D2216	%Moistu	re 0.5	9.5	10.0	7.3
Dilution Factor				90	0.0	
PCB-1016 (AROCLOR 1016)	0000	/1-	0.0	20	20	1
,	8082	$\mu g/kg$	33		< 730	4J
PCB-1221 (AROCLOR 1221)	8082	$\mu g/kg$	66		< 1500	< 71
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33		< 730	< 36
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33		< 730	< 36
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33		< 730	< 36
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33		< 730	< 36
PCB-1260 (AROCLOR 1260)	8082	μg/kg	33	3,900	4,100	120
				· · · · · · · · · · · · · · · · · · ·	Analysis Result	
Component Analyzed	Method	Unit	PQ	L 4304250-12B-06 02-02078-13	4 4304250-12B-065 02-02078-14	4304250-12B-066 02-02078-15
MOISTURE	ASTM-D2216	%Moistu	re 0.5	9.6	8.3	6.7
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33		< 36	< 35
PCB-1221 (AROCLOR 1221)	8082	μg/kg	66		< 72	< 71
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33		< 36	< 35
PCB-1242 (AROCLOR 1242)	8082	$\mu \mathrm{g/kg}$	33		< 36	< 35
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33		< 36	< 35
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33		< 36	< 35
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33		61	29J

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 Cl-0470 D001 № 02-2078 ↓ Page: 2 of 3

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-067 02-02078-16	4304250-12B-068 02-02078-17	4304250-12B-069 02-02078-18
MOISTURE	ASTM-D2216	%Moisture	0.5	9.5	6.8	9.4
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 35	< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 73	< 71	< 73
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 35	< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 35	< 36
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 35	< 36
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 35	< 36
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	$5\mathrm{J}$	3J	150

PQL: Practical Quantitation Limit.

CRDL: Contract Required Detection Limit

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Laboratory Director

Applied P & Ch Laboratory

MDL: Method Detection Limit.

N.D.: Not Detected or less than the practical quantitation limit.

[&]quot;-": Analysis is not required.

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

1 OF Z

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S FAX LAB COORDINATOR'S PHONE LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) GEOFON'S LAB COORDINATOR (909) 396-7662 1909 396-1455 GEOFON, INC. Jim Lin Leo W. Williamson PROJECT NUMBER 04- 4304. 250 PROJECT NAME:
NTCRA 91 12 \$ 23
PROJECT CONTACT (909) 396-1828 (909) 390-1498 PROJECT PHONE NUMBER
(619) B 43-5972
CITY. STATE AND ZIPCODE
Port Hueneme, CA. PROJECT FAX 22632 Golden Springs Dr. #270 CITY. STATE AND ZIPCODE Digmond Bas, CA 91765 13760 Magnolia Ave Sanaka Jayamaha PROJECT ADDRESS Naval Base Ventura Co. (909) 396- 1455 US NAUY SWOIN Chino A. 91710 PROJECT MANAGER
ASTAR Faheem PHONE (909) 396-7662 (909) 396-1455 OC Level Item Comments Sample Identifier SAMPLE BY 430-1250-12B-060 SOIL 3/11/02/10:23 皿 NORMAL NONE SAMPLE BY 4304250-128-061 3/11/02/10:34 III SAMPLE BY 3122102 4304250-128-062 3/11/02/10:46 14 4304250 -123-063 3/19/02/10.32 TII 4304 250-128-064 3/19/02/10:36 4304 250 - 12B -665 3/19/02/10:39 4304250-1213-066 3/19/02/10:43 TIL 4304 250-12B-067 3/19/2 11:21 TIL 4301250-128-068 19/2 10:47 TIL 4304250-12B-069 SAMPLES COLLECTED BY TO A MAUA COURIER AND AIR BILL NUMBER RECEIVED BY SAMPLE'S CONDITION UPON RECEIPT 3/20/02 0825 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

2 OF 2

DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 GEOFON'S LAB COORDINATOR LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) PROJECT ADDRESS
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PR (909) 396-1455

PROJECT NUMBER
04-4304, Z50 (909)590-1828 Jim Lin GEOFON, INC. ADDRESS
22632 biolden Springs Di, \$270

CITY. STATE AND ZIPCODE
Diamond Bar, LA. 91765 (909) 396-1455 13760 Magnolia Ave Chino, CA. 91710 PROJECT MANAGER'S FAX PHONE (909) 396-7662 Asiar Faheem (909) 396- 1455 * of Cont on Clevel AT Item Date Sample Identifier Comments 4304250-12B-070 SOIL 3/4/02 10:54 NOVE Ш NoRMAL 4304250-128-071 TY 10:57 4304250-123-072 11:18 TIL 4304250-1213-073 i1: ∞ The 4304250-1213-074 11:03 4304 250-128-075 11 do TIL 4304250-128-076 11:01 TIL 4304250-128-077 11:15 TIL 9 10 SAMPLES COLLECTED BY: J. JAYAMAINA COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT SAMPLE'S CONDITION UPON RECEIPT 3/20/02 0825

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710Tel. (909) 590-1828 Fax (909) 590-1498

April 5, 2002

GEOFON, Inc.

Attention: Leo Williamson

 $22632~\mathrm{Golden}$ Spring Dr Ste270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2226 and your project: NTCRA at 12B,23. Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

QA/QC Director

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

Service ID #: 801-022226

Collected by: Janaka Jayamaha Collected on: 03/26-27/02

Received: 03/29/02 Extracted: 03/29/02 Tested: 03/29-04/01/02

Reported: 04/02/02

Sample Description: Soil from IRP Site 12B

Project Description: 04-4304.250 NTCRA at 12B &23

Analysis of Soil Samples

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-106 02-02226-1	4304250-12B-107 02-02226-2	4304250-12B-108 02-02226-3
MOISTURE	ASTM-D2216	%Moisture	0.5	7.6	11.0	9.5
PCBS						
Dilution Factor				10	5	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 360	< 190	< 360
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 710	< 370	< 730
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33	< 360	< 190	< 360
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 360	< 190	< 360
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 360	< 190	< 360
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 360	< 190	< 360
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	2,000	890	2,300

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-109 02-02226-4	4304250-12B-110 02-02226-5	4304250-12B-111 02-02226-6
MOISTURE	ASTM-D2216	%Moisture	0.5	6.6	8.8	9.2
PCBS						
Dilution Factor				10	10	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 350	< 360	< 360
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 710	< 720	< 730
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33	< 350	< 360	< 360
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33	< 350	< 360	< 360
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	< 350	< 360	< 360
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 350	< 360	< 360
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	1,700	2,300	2,200

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-112 02-02226-7	4304250-12B-113 02-02226-8	4304250-12B-114 02-02226-9
MOISTURE	ASTM-D2216	%Moisture	0.5	10.2	8.2	9.2

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 Cl-0470 D002 № 02-2226 ឯ Page: 1 of 4

APCL Analytical Report

Component Analyzed	Method	Unit	PQL		04250-12B-112 02-02226-7	Analysis Result 4304250-12B-113 02-02226-8	4304250-12B-114 02-02226-9
PCBS				 -			***
Dilution Factor					10	10	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33		< 370	< 360	< 360
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66		< 740	< 720	< 730
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33		< 370	< 360	< 360
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33		< 370	< 360	< 360
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33		< 370	< 360	< 360
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33		< 370	< 360	< 360
PCB-1260 (AROCLOR 1260)	8082	_μ g/kg	33		1,900	1,400	1,100
			·			Analysis Result	 ;
Component Analyzed	Method	Uni	t	PQL	4304250-12B-11	•	
				•	02-02226-10	02-02226-11	02-02226-12
MOISTURE PCBS	ASTM-D2216	6 %Mois	ture	0.5	10.3	9.0	9.9
Dilution Factor					10	10	20
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/k}$	· a	33	<370	< 360	< 730
PCB-1221 (AROCLOR 1221)	8082	$\mu g/k$ $\mu g/k$		66	< 740	< 730	<1500
PCB-1232 (AROCLOR 1232)	8082	$\mu g/k$ $\mu g/k$		33	< 370	< 360	
PCB-1242 (AROCLOR 1242)	8082	μg/k μg/k		33	<370	< 360	< 730 < 730
PCB-1248 (AROCLOR 1248)	8082	$\mu g/K$ $\mu g/K$		33	< 370	< 360	< 730 < 730
PCB-1254 (AROCLOR 1254)	8082	$\mu g/k$ $\mu g/k$	·6	33	< 370	< 360	< 730
PCB-1260 (AROCLOR 1260)	8082	$\mu g/k$		33	2,200	1,400	6,300
Component Analyzed	Method	Unit	t	PQL	4304250-12B-118 02-02226-13	Analysis Result 3 4304250-12B-119 02-02226-14	
MOISTURE	ASTM-D2216	%Mois	ture	0.5	10.7	9.4	7.1
Dilution Factor					20	10	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/k}$	т.	33	< 740		
PCB-1221 (AROCLOR 1221)	8082	$\mu g/K$ $\mu g/k$		55 66	< 1500	< 360 < 730	< 36 < 71
PCB-1232 (AROCLOR 1232)	8082	$\mu g/k$		33	< 740	< 360	< 36
PCB-1242 (AROCLOR 1242)	8082	$\mu g/k$ $\mu g/k$		33	< 740	< 360	< 36
PCB-1248 (AROCLOR 1248)	8082	$\mu g/k$ $\mu g/k$		33	< 740	< 360	< 36
PCB-1254 (AROCLOR 1254)	8082	$\mu g/k$ $\mu g/k$		33	< 740	< 360	< 36
PCB-1260 (AROCLOR 1260)	8082	$\mu g/k$		33	5,400	2,500	130
Component Analyzed Met	hod U	√nit	PQL		04250-12B-121 2-02226-16	Analysis Result 4304250-12B-122 02-02226-17	4304250-12B-123 02-02226-18
MOISTURE ASTM-	-D2216 %M	oisture	0.5		8.0	11.0	7.4

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 D002 № 02-2226 ឯ Page: 2 of 4

APCL Analytical Report

Component Analyzed	Method	Unit	PQI		04250-12B-121 02-02226-16	Analysis Result 4304250-12B-122 02-02226-17	4304250-12B-123 02-02226-18
PCBS							
Dilution Factor					1	10	1
PCB-1016 (AROCLOR 103	16) 8082	$_{\mu}\mathrm{g/kg}$	33		< 36	< 370	< 36
PCB-1221 (AROCLOR 123	21) 8082	$_{\mu}^{'}$ g/kg	66		< 72	< 740	< 71
PCB-1232 (AROCLOR 123	32) 8082	$_{\mu}\mathrm{g/kg}$	33		< 36	< 370	< 36
PCB-1242 (AROCLOR 124	42) 8082	$\mu \mathrm{g/kg}$	33		< 36	< 370	< 36
PCB-1248 (AROCLOR 124	48) 8082	$\mu g/kg$	33		< 36	< 370	< 36
PCB-1254 (AROCLOR 125	54) 8082	$\mu g/kg$	33		< 36	< 370	< 36
PCB-1260 (AROCLOR 126	8082 	μg/kg	33		180	1,400	150
- William Control of the Control of						4 1 ' D 1	
Component Analyzed	Method	Ur	nit	PQL	43043KD 10D 10	Analysis Resul 4 4304250-12B-125	
	Method		116		02-02226-19	02-02226-20	02-02226-21
MOISTURE PCBS	ASTM-D22	16 %Mo	isture	0.5	13.1	8.1	5.2
Dilution Factor					1	1	1
PCB-1016 (AROCLOR 1016	8082	$\mu g/$	/kg	33	<38	< 36	< 35
PCB-1221 (AROCLOR 1221	.) 8082	μg/		66	< 76	< 72	< 70
PCB-1232 (AROCLOR 1232		μg/	/kg	33	<38	<36	< 35
PCB-1242 (AROCLOR 1242	,	μ8/ μ8/		33	<38	< 36	< 35
PCB-1248 (AROCLOR 1248		μg/		33	<38	<36	< 35
PCB-1254 (AROCLOR 1254		μg/		33	<38	<36	< 35
PCB-1260 (AROCLOR 1260		μg/		33	47	19J	220
			-			Analysis Result	· · · · · · · · · · · · · · · · · · ·
Component Analyzed	Method	Un	iit	PQL	4304250-12B-123 02-02226-22	-	4304250-12B-129 02-02226-24
MOISTURE PCBS	ASTM-D221	l6 %Moi	isture	0.5	7.7	9.4	9.3
Dilution Factor					5	1	1
PCB-1016 (AROCLOR 1016) 8082	μg/	'kø	33	< 180	< 36	< 36
PCB-1221 (AROCLOR 1221		με/ μg/		66	< 360	< 73	< 73
PCB-1232 (AROCLOR 1232		με/ μg/		33	< 180	< 36	< 36
PCB-1242 (AROCLOR 1242	8082	μg/	'kg	33	< 180	< 36	< 36
PCB-1248 (AROCLOR 1248		μ8/ μ8/	'kg	33	< 180	< 36	< 36
PCB-1254 (AROCLOR 1254		μΒ/ μΒ/		33	< 180	< 36	< 36
PCB-1260 (AROCLOR 1260		μg/ 		33	1,000	330	95
		========		·		Analysis Result	
Component Analyzed M	lethod	Unit	PQL		04250-12B-130 02-02226-25	4304250-12B-131 02-02226-26	4304250-12B-132 02-02226-27
MOISTURE AST	M-D2216 %N		0.5		7.9	10.3	5.7

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

APCL Analytical Report

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-12B-130 02-02226-25	4304250-12B-131 02-02226-26	4304250-12B-132 02-02226-27
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 37	< 35
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 72	< 74	< 70
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 37	< 35
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33	< 36	< 37	< 35
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 37	< 35
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 36	< 37	< 35
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}^{ m g/kg}$	33	50	200	220

				Analys	is Result
Component Analyzed	Method	Unit	PQL	4304250-12B-133 02-02226-28	4304250-12B-134 02-02226-29
MOISTURE	ASTM-D2216	%Moisture	0.5	6.4	9.7
PCBS					
Dilution Factor				5	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	<370
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 350	< 730
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	< 370
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	< 370
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	< 370
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	< 370
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	740	2,300

PQL: Practical Quantitation Limit.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Laboratory Director

Applied P & Ch Laboratory

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 Cl-0470 D002 № 02-2226 ឯ Page: 4 of 4

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

[&]quot;-": Analysis is not required.

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S PHONE GEOFON's LAB COORDINATOR LAB COORDINATOR'S FAX MAIL REPORT (COMPANY NAME) LABORATORY SERVICE ID LABORATORY CONTACT 909 1396 - 1455 Jim Lin LEO WILLIAMSON (909) 396-766Z GEDFON. LABORATORY PHONE ILP SITE 12B 04-4304.250 (1909) 540 - 18283 909 590-1498 LABORATORY ADDRESS 13760 MAGNOLIA 619 843 - 5972 1909)396-1455 CITY, STATE AND ZIPCODE PORT HOENEME CA ativo ct. 91710 DIAMOND BA PROJECT MANAGER'S PROJECT MANAGER'S FAX and) 396-7662 (951) 396-1455 # of Cont OC Level Item Comments Sample Identifier 4304250-128-106 Som 3/2402 3:24 Nour NORMAL $\Pi\Pi$ 4304250-128-107 3:26 111 4304250-128-108 3:28 TII 4304250-128-109 3:30 TTI4304250-128-110 3:34 4304250-128-111 3:36 $\Pi\Pi$ 4304250-12B-117 3:38 $T\Pi$ 4304250-128-113 3:41 TIL 4304250-128-114 8:32 111 4304250-1213-115 3:43 Ш SAMPLES COLLECTED BY: JANAYA SAVAMANA COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT. LINGUISHED BY SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

GEOFO	IN's LAB COORDINATOR	LAB COORD			77.41.(000		DINATOR'S	FAX	•	LABORAT	ORY SERVIC	EID	LABORATO	RY CONTAC	CT CT		MAIL REPORT (COMPANY NAME)
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<u>Jar</u>	CT CONTACT JAKA JAYAMAHA CT ADDRESS NAJAL	(614	843	<u>, - J</u>	972	(904) 396 -1455 CLIENT							NOL 1	4 A	WE.		22632 GOLDEN SPRNG DR. STE 270 CITY. STATE AND ZIPCODE DIAMONIO BAL, CA 91765
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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1459

GEOFC	DIAMOND BAP		DINATOR'S			AB COORDINATO	OR'S FAX		LABORAT	ORY SERVICE	ID L	ABORATORY	CONTACT	г	MAIL REPORT (COMPA	NV NAME)	-
LE	> WILLIAMSON	1901)	3916	-7662	. /	909) 30	96-14	55				Jim			Cert	11/6	
	CT NAME:	PROJECT L	OCATION	- 12		-	PROJECT NUMBER		LABORAT	ORY PHONE		ABORATORY	FAX		BECIPIENT NAME		SPHUS DR.
NT	CPA Q 128 9 23 CT CONTACT	LKI	P 3	TE 12	<u>15</u>		4-4304.	250	(959) S	ORY PHONE 40 – 187	25 (c	1 <i>6</i> 1)5	90-1	1498	JANAKA	JAYAN	LHA
PROJE	CT CONTACT	PROJECT P	HONE NUM	BER COMP 2		ROJECT FAX	ai iuc			ORY ADDRES			Α.	~	ADDRESS	1	57E V73
PROJE	IANA JANAMAHA CT ADDRESS NAVAL	CITY, STAT	57 5 -	- 5116 ODE	 (LIEST	96 - 145	<u> </u>	CITY STA	TE AND ZIPCO	TOF	OUA	PRO	12 .	CITY STATE AND ZIDO	ODE ODE	SPANS DA.
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PROJE	CT MANAGER	PROJECT N	AANAGER'S		P	ROJECT MANAGE	ER'S FAX				\overline{Z}		.	77	777	· // ()	, , , , , , , ,
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	Dist	tribution	: White	e - Laborat	tory (To	be returne	d with Anal	ytical R	eport); (Goldenro	od - Pr	oject Fi	le; Ye	llow - P	Project Data Manas	ger	



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710 Tel. (909) 590-1828 Fax (909) 590-1498

April 15, 2002

GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270 Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2280 and your project: NTCRA at 12,23. Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,

QA/QC Director

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022280 Collected by: Janaka Jayamaha Collected on: 04/02/02

Received: 04/03/02 Extracted: 04/03/02 Tested: 04/03-04/02

Reported: 04/10/02

Sample Description: Soil from IRP Site 12B

Project Description: 04-4304.250 NTCRA at 12 &23

Analysis of Soil Samples

				Analysis Result				
Component Analyzed	Method	Unit	PQL	4304250-12B-135 02-02280-1	4304250-12B-136 02-02280-2			
MOISTURE	ASTM-D2216	%Moisture	0.5	11.4	8.8			
PCBS								
Dilution Factor				20	5			
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 740	< 180			
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 1500	< 360			
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33	< 740	< 180			
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33	< 740	< 180			
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	< 740	< 180			
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33	< 740	< 180			
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33	4,400	1,300			

				Analysis Result					
Component Analyzed	Method	Unit	PQL	4304250-12B-137 02-02280-3	4304250-12B-138 02-02280-4				
MOISTURE	ASTM-D2216	%Moisture	0.5	10.9	20.7				
PCBS									
Dilution Factor				10	5				
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	< 210				
PCB-1221 (AROCLOR 1221)	8082	$\mu g/kg$	66	< 740	< 420				
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	< 210				
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33	< 370	< 210				
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	< 370	< 210				
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33	< 370	< 210				
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33	2,900	1,500				

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

"-": Analysis is not required.

N.D.: Not Detected or less than the practical quantitation limit.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Laboratory Director

Applied P & Ch Laboratory

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

FAX TRANSMITTAL



22632 GOLDEN SPRINGS DRIVE, SUITE 270 DIAMOND BAR, CA 91765 TELEPHONE (909) 386-7662 • FAX (809) 398-1465 INTERNET: www.geofon.com

	A D	·		Page 1 of Z
TO; _	APUL		_ FROM:	JANAKA JAHAMAHA
			- DATE;	4/5/02
ATTN:	KENN	17	GEOFON	Reference No.: 04-4304,25c
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GEOFON	CHAIN-OF-	CUSTODY RECORD	PROJECT DATA MANAGER'S COPY
DIAMOND BAR, CA 91765 (COD) 209 7590 514 4000	. 305 1456	rie	1081
Janaka Janaraha (919) 396-7662	148 COORDINATOR'S FAX	CABURATORY SERVICE D LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
MICRA of 12 123 POF TRP SITE 12 E	PROJECT NUMBER 04-43/4-250	Jim Cin LABORATORY PHONE LABORATORY FAX: (0.4) \$70-1828 (0.4) \$90-149	LOFE FEN, INT.
January Tyanuha (89) 843-5972	(909) 396-1455	LABURATURY ADDRESS	RECIPIENT NAME Jang Ka Jaya mah ay ADDRESS 72632 Ladde Sping D. #270 CITY. STATE AND ZIPCODE
Noval Dage at Vertical Port Hugners (A	US NAWY SWAY	CITY. STATE AND SIPCODE	CITY. STATE AND ZIRCODE
	PROJECT MANAGER'S FAX (909) 396. 1455	Chieu , (A 917/0	Diemond Bar, (A. 91765
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1 50 1/50 - 128 - 135 SOIL 3/20/10 1:32 1	1 1 1	·x	Comments
2 43-1250-128-136			
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-Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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TA	Δ _			Page 1 of 2
TO: _	APCL		_ FROM:	JANEARA
			DATE:	
ATTN:	KENN	1	GEOFON Fax No.:	Reference No.:
	300,000	If you do not receive all the telephone as soon as p	e pages, please co possible at (909) 39	ntact us by 6-7682
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CHAIN-OF-CUSTODY RECORD PROJECT DATA MANAGER'S COPY 4/04/2001 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 GEOFON'S LAS CÓGRDINATOR LAH COORDINATOR'S PHONE (909) 396 1455 (949) 396. 7662 Janaka LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) PROJECT NAME PRODECTION ON PROPERTY 128 Tim Lin GFOTON. PROJECT NUMBER 04-43/4.250 . NTCRA LABORATORY PHONE LABORATORY FAX (109) 590-1498 PROJECT CONTACT PROJECT CHONE MANBER
(89) 843-5972 PROJECT FAX (909) 396-1455 Janaka Iyamaha PROJECT ADDRESS LABORATORY ADDRESS 13760 Magnote Ave CITY, STATE AND ZIPCODE PROJECT MANAGERS
PROJECT MANAGERS
PHONE
(904) 396-7662 Navad Tidge et Vestical 19093969242 US NALLY Super Chino, 1A Diamone Bar Asign tabeem (904) 386 1455 Sample Identifier # 43.4/50-128-135 Comments Soil 3/200 Sa 77.7 NIN HAL 43=4250-128-136 1:35 4324250-128-137 1:34 430420-125-138 1:45 4304250-1213-139 1:42 10 SAMPLES COLLECTED BY X 11 AC A 14.18.41.11 COURSER AND AIR BELL NUMBER: COOLER TEMPERATURE UPON RECEIPT SAMPLE'S CONDITION UPON RECEIPT

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22632 GOLDEN SPRINGS DR., SUITE 270

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

1 OF 1

DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX GEOFON'S LAB COORDINATOR LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) (909) 396-7662 (909) 396 1455 Janaka Jim Lin LABORATORY FAX (909) 590-1498 PROJECT NAME: PROJECT LOCATION SITE 12B PROJECT NUMBER 04-4304-250 LABORATORY PHONE (904) 590-1828 Jana Ka PROJECT PHONE NUMBER (199) 843- 5972 PROJECT CONTACT PROJECT FAX LABORATORY ADDRESS (909) 396-1455 13760 Magnolia Are Diamond Bar CA PROJECT MANAGER'S FAX (404) 396-766 Z Taheem (909) 396-1455 Comments Sample Identifier 64 4304Z5D-12B-13S SOIL 3/20/02 1:33 IIINORMAL 2 1:35 14304250-12B-137 3 1:39 430425D-12B-13A 1:45 4304250-123-139 1:42 6 8 9 10 COURIER AND AIR BILL NUMBER COOLER TEMPERATURE UPON RECEIPT SAMPLE'S CONDITION UPON RECEIPT 1/3/02 4/3/02 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
 Tel. (909) 590-1828 Fax (909) 590-1498

May 28, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2780 and your project: 04-4304-250 NTCRA at 12B and 23.

Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D., QA/QC Director

A 1: 1 D 0 CL T 1

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022780

Collected by: Leo W. Williamson Extracted: 05/03/02

Collected by Les W. William Collected on: 05/02/02

Received: 05/02/02 Extracted: 05/03/02 Tested: 05/02-06/02

Reported: 05/08/02

Sample Description: Soil from IRP Site 12B

Project Description: 04-4304.250 NTCRA at 12B and 23

Analysis of Soil Samples

				Analysis Result						
Component Analyzed	Method	Unit	PQL	4304250-12B-139 02-02780-1	4304250-12B-140 02-02780-2	4304250-12B-141 02-02780-3				
MOISTURE	ASTM-D2216	%Moisture	0.5	10.9	12.2	11.1				
PCBS										
Dilution Factor				10	5	10				
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	< 190	< 370				
PCB-1221 (AROCLOR 1221)	8082	$\mu g/kg$	66	< 740	< 380	< 740				
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	< 190	< 370				
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	< 190	< 370				
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	< 370	< 190	< 370				
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 370	<190	< 370				
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	1,500	880	2,900				

				Analysis Result						
Component Analyzed	Method	Unit	PQL	4304250-12B-142 02-02780-4	4304250-12B-143 02-02780-5	4304250-12B-144 02-02780-6				
MOISTURE	ASTM-D2216	%Moisture	0.5	8.5	4.1	6.2				
PCBS										
Dilution Factor				5	1	1				
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	<34	< 35				
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 360	<69	< 70				
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$	33	< 180	<34	< 35				
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33	< 180	<34	< 35				
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$	33	< 180	< 34	< 35				
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 180	<34	< 35				
PCB-1260 (AROCLOR 1260)	8082	μg/kg	33	670	160	7 J				

Component Analyzed	Method	Unit	PQL	4304250-12B-145 02-02780-7	Analysis Result 4304250-12B-146 02-02780-8	4304250-12B-147 02-02780-9
MOISTURE	ASTM-D2216	%Moisture	0.5	8.9	9.7	9.6

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APCL Analytical Report

Component Analyzed	Method	Unit	PQ:	L 43	304250-12B-145 02-02780-7	Analysis Result 4304250-12B-146 02-02780-8	4304250-12B-147 02-02780-9
PCBS							
Dilution Factor					1	1	1
PCB-1016 (AROCLOR 1016)		$\mu g/kg$	33		< 36	< 37	<37
PCB-1221 (AROCLOR 1221)		$\mu g/kg$	66		< 72	< 73	< 73
PCB-1232 (AROCLOR 1232)		$\mu g/kg$	33		< 36	< 37	< 37
PCB-1242 (AROCLOR 1242)		$_{\mu}\mathrm{g/kg}$	33		< 36	< 37	<37
PCB-1248 (AROCLOR 1248)		$\mu g/kg$	33		< 36	< 37	< 37
PCB-1254 (AROCLOR 1254)		$\mu g/kg$	33		< 36	< 37	<37
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33		< 36	2J	<37
	·			 :			
Communication 1	36.3					Analysis Result	
Component Analyzed	Method	Uni	it	PQL		3 4304250-12B-149	4304250-12B-150
					02-02780-10	02-02780-11	02-02780-12
MOISTURE	ASTM-D2216	%Mois	sture	0.5	14.4	8.3	7.1
PCBS							
Dilution Factor					1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/l}$		33	< 39	< 36	< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/l}$		66	< 77	< 72	< 71
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/l}$	ιg	33	< 39	< 36	< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}$ g/k		33	<39	< 36	< 36
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/k}$	g	33	< 39	< 36	< 36
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/k}$	g	33	<39	< 36	< 36
PCB-1260 (AROCLOR 1260)	8082	μg/k	g ——	33	11J	11J	< 36
				 -		Analysis Result	
Component Analyzed	Method	Uni	t	PQL	4304250-12B-151 02-02780-13		4304250-12B-153 02-02780-15
MOISTURE PCBS	ASTM-D2216	%Mois	ture	0.5	13.2	11.6	7.8
Dilution Factor					1	1	1
PCB-1016 (AROCLOR 1016)	8082	$\mu g/k$	g	33	<38	<37	
PCB-1221 (AROCLOR 1221)	8082	$\mu g/k$		66	<76	<75	< 36 < 72
PCB-1232 (AROCLOR 1232)	8082	$\mu g/k$		33	<38	<37	< 36
PCB-1242 (AROCLOR 1242)	8082	$\mu g/k$		33	<38	<37	
PCB-1248 (AROCLOR 1248)	8082	$\mu g/k$		33	<38	<37	< 36 < 36
PCB-1254 (AROCLOR 1254)	8082	$\mu g/k_{\rm p}$		33	<38	<37	< 36
PCB-1260 (AROCLOR 1260)	8082	$\mu g/k_{g}$		33	360	29 J	< 36
			==			Analasi D	
Component Analyzed Meth	od U1	nit :	PQL		4250-12B-154 43	Analysis Result 304250-12B-155 4 02-02780-17	304250-12B-156 02-02780-18
MOISTURE ASTM-I	D2216 %Mo	isture	0.5		9.2	6.8	8.2

CADHS ELAP No.: 1431

NFESC Approved since 11/01/94

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APCL Analytical Report

							
Component Analyzed	Method	Unit	PQL		04250-12B-154 02-02780-16	Analysis Result 4304250-12B-155 02-02780-17	4304250-12B-156 02-02780-18
PCBS							
Dilution Factor					1	1	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33		< 36	< 35	
PCB-1221 (AROCLOR 1221)		$\mu g/kg$	66		< 73	<71	< 360
PCB-1232 (AROCLOR 1232)		$\mu g/kg$	33		< 36	< 35	< 720
PCB-1242 (AROCLOR 1242)		$\mu g/kg$	33		< 36		< 360
PCB-1248 (AROCLOR 1248)		$\mu g/kg$	33		< 36	< 35	< 360
PCB-1254 (AROCLOR 1254)		$\mu g/kg$	33		< 36	< 35	< 360
PCB-1260 (AROCLOR 1260)		μg/kg μg/kg	33		2J	< 35 < 35	< 360 1,700
Component Analyzed	Method	Un	it	PQL	4304250-12B-15 02-02780-19	Analysis Resu 7 4304250-12B-15 02-02780-20	lt 8 4304250-12B-159 02-02780-21
MOISTURE	ASTM-D22	16 %Moi	sture	0.5	8.8	9.8	7.0
PCBS							
Dilution Factor					1	10	50
PCB-1016 (AROCHLOR 1016)	8082	$\mu g/1$		33	< 36	< 370	< 1800
PCB-1221 (AROCHLOR 1221)	8082	$\mu g/$		66	< 72	< 730	< 3500
PCB-1232 (AROCHLOR 1232)	8082	$\mu g/3$	kg	33	< 36	< 370	< 1800
PCB-1242 (AROCHLOR 1242)	8082	$\mu g/1$	kg	33	< 36	< 370	< 1800
PCB-1248 (AROCHLOR 1248)	8082	$\mu g/I$	kg	33	< 36	< 370	< 1800
PCB-1254 (AROCHLOR 1254)	8082	$\mu g/I$	ζg	33	< 36	< 370	< 1800
PCB-1260 (AROCHLOR 1260)	8082	μg/l	κg ———	33	<36	2,400	9,500
Component Analyzed	Method	Unit	F	PQL	4304250-12B-160 02-02780-22	Analysis Result 4304250-12B-161 02-02780-23	
MOISTURE PCBS	ASTM-D2216	%Moist	ure	0.5	7.9	7.4	9.2
Dilution Factor					1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$		33	<36	< 36	1
PCB-1221 (AROCLOR 1221)	8082	$\mu g/kg$		66	<72	<71	< 36
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$		33	<36	< 36	< 73
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$		33	<36		< 36
PCB-1248 (AROCLOR 1248)	8082	με/ κε μg/kg		33	<36	< 36	< 36
PCB-1254 (AROCLOR 1254)	8082	με/ κε μg/kg		33	< 36	< 36	< 36
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$		33	43 0	<36 120	< 36 3J
Component Analyzed Meth	od U	nit P	'QL	4304		Analysis Result	420,4050,100,707
		· I				02-02780-26	4304250-12B-165 02-02780-27
MOISTURE ASTM-I)2216 %Mc	oisture (0.5		10.7	21.2	11.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL		304250-12B- 02-02780-2	-163 4	Analysis Resu 4304250-12B-16 02-02780-26	
PCBS	· · · · · · · · · · · · · · · · · · ·							
Dilution Factor					1		5	7
PCB-1016 (AROCLOR 1016)	8082	$\mu g/kg$	33		< 37			1
PCB-1221 (AROCLOR 1221)	8082	$\mu g/kg$	66		< 74		< 210	< 37
PCB-1232 (AROCLOR 1232)	8082	$\mu g/kg$ $\mu g/kg$	33		< 37		< 420	< 75
PCB-1242 (AROCLOR 1242)	8082	$\mu g/kg$	33		<37		< 210	< 37
PCB-1248 (AROCLOR 1248)	8082	$\mu g/kg$ $\mu g/kg$	33		<37		< 210	< 37
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$ $\mu g/kg$	33				< 210	< 37
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$ $\mu g/kg$	33		<37 17J		< 210 920	< 37 8J
Component Analyzed	Method	II	Unit		4304250-12B-166 02-02780-28		Analysis Re	
Сошронень Анагухеа	Method	O II					4304250-12B- 02-02780-2	167 4304250-12B- 9 02-02780-30
MOISTURE PCBS	ASTM-D221	6 %Moi	sture	0.5	10.	4	7.6	10.9
Dilution Factor					4		22	
PCB-1016 (AROCLOR 1016)	9000	,	1	0.0	1		20	5
PCB-1221 (AROCLOR 1221)	8082 8082	$\mu g/$		33	< 37		< 710	< 190
PCB-1232 (AROCLOR 1232)		$\mu g /$		66	< 74		< 1400	< 370
PCB-1242 (AROCLOR 1242)	8082	μg/		33	< 3'		< 710	< 190
PCB-1248 (AROCLOR 1242)	8082	μg/		33	< 37		< 710	< 190
PCB-1254 (AROCLOR 1254)	8082	$\mu g/g$		33	< 37		< 710	< 190
PCB-1260 (AROCLOR 1260)	8082 8082	μg/: μg/:		33 33	<37 390		$< 710 \\ 3,700$	< 190 670
Component Analyzed	Meth	od	Uı	nit	PQL	4304	Analysi 250-12B-169	is Result 4304250-12B-170
·		·					-02780-31	02-02780-32
MOISTURE PCBS	ASTM-D	2216	%Mo	isture	0.5		6.3	7.8
Dilution Factor							1	5
PCB-1016 (AROCLOR 1016)	8082	2	μg/	kg	33		<35	< 180
PCB-1221 (AROCLOR 1221)	8082	2	μg/		66		< 70	< 360
PCB-1232 (AROCLOR 1232)	8082	2	μg/		33		< 35	<180
PCB-1242 (AROCLOR 1242)	8082		μg/		33		< 35	< 180
PCB-1248 (AROCLOR 1248)	8082		μg/		33		< 35	<180
PCB-1254 (AROCLOR 1254)	8082		μg/		33		< 35	<180
PCB-1260 (AROCLOR 1260)	8082	; 	μg/		33		230	750
							4)	
Component Analyzed	Method	Uı	nit]	PQL		Analysis 1 -12B-171 780-33	Result 4304250-12B-172 02-02780-34
MOISTURE AS	TM-D2216	%Mo	isture		0.5	10	0.3	11.8

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APCL Analytical Report

				Analys	is Result
Component Analyzed	Method	Unit	PQL	4304250-12B-171 02-02780-33	4304250-12B-172 02-02780-34
PCBS					
Dilution Factor				1	10
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37	< 370
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 74	< 750
PCB-1232 (AROCLOR 1232)	8082	$\mu \mathrm{g/kg}$	33	< 37	< 370
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37	< 370
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37	< 370
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33	.<37	< 370
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	$2\mathbf{J}$	2,000

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Laboratory Director

N.D.: Not Detected or less than the practical quantitation limit.

[&]quot;-": Analysis is not required.

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

1 OF 4

	22632 GOLDE DIAMOND BAI	N SPRING	GS DR., '65 • (909	SUITE 2) 396-76	:70 :662 • FAX (90)9) 396-14	55												OF	4		ť
	ONN LAB COORDINATOR W. Williamson ECT NAME: CRA at 12B423 ECT CONTACT	LAB COC	PRDINATOR	S PHONE	1667	LAB CO	ordinator:	96-1			İ	ATORY S			ABORATO	RY CONTA		- [EPORT (COMPAN	FON INC		
N	CRA at 12Bazz	FROJECT			128		PR	OJECT NUN	MBER 04. 2	250	(404	STORY PI	-/8Z	8 (BORATOR	5°90	-1498	RECIPIE	NT NAME Janak	e Java	waha	
Ja	naka Jayamaha ect address	(619)	PHONE NU	-59	172	PROJECT	7) 396				LABOR	ATORY A	DDRESS		7			ADDRE	15 (2 de	la Sava	gs Pr. #2	270
PROJ NG	ect address val Ruse Ventralo, ect manager	Port	ATE AND ZI	PCODE	e, (A,	CLIEST	NAU			^	100		· A	917	tolta 10			I CHY. SI	ATE AND ZIPCOD	DE F	9176	
	ect manager Lar Fuheem	PROJECT PHONE 1909	MANAGER	5	•	PROJECT	MANAGER'S	FAX		<u>'</u>	97171	ر دی	189			$\overline{}$		///	mond .	1241, U).	11703	<u> </u>
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22632 GOLDEN SPRINGS DR., SUITE 270

CHAIN-OF-CUSTODY RECORD

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2 OF 4

GEOF	ON'S LAB COORDINATOR		65 • (90 RDINATO		-7662 • FAX (90			TOR'S F.																		- "		
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SAMP	LES COLLECTED BY: X Leo W.	Will	igmsi	- CO	URIER AND AIR BI	LL NUMBER	<u> </u>			<u> </u>	l	1								COOLE	R TEMPER	ATURE UP	ON RECI	FIPT			 -	·
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GEOF

CHAIN-OF-CUSTODY RECORD

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22632 GOLDEN SPRINGS DR., SUITE 270

3 OF 4

DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) Leo W. Williamson
PROJECT NAME: (909) 396-1455 Jim Lin INEOFON ING PROJECT LOCATION

TEP SHE PROJECT NUMBER 04-4304, 250 LABORATORY PHONE (909) 590-1828 LABORATORY FAX (909) 590-1498 NTCRA at 12B & 23 PROJECT CONTACT PROJECT PHONE NUMBER
(619) 843-5972
CITY. STATE AND ZIPCODE LABORATORY ADDRESS Janaka Jayamaha (909) 396-1455 13760 May nolige Ave. PROJECT ADDRESS Naval Base-Ventura Co. US NAUY SWOIN Chino, CA. 91760 Diamond Bar ((409) 346 - 7662 Assar Faheem (909) 396-1455 Item Sample Identifier Comments 4304250-128-159 SOIL 5/2/02 915 *: Polypropulene Sleeve -NONE 777 NORMAL 4304250-128-160 920 X 4304 250- 12B- 161 923 4304 250 - 128 - 162 930 4304250-128-163 940 957 4304 250 - 128- 165 1004 X 4304250-128-166 $\mathcal{I}V$ 1012 X 4304250-128-167 1017 χ 4304 250-128- 168 1027 COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT RECEIVED BY SAMPLE'S CONDITION UPON RECEIPT 1310 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

CHAIN-OF-CUSTODY RECORD

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22632 GOLDEN SPRINGS DR., SUITE 270 4 OF 4 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT (909) 396- 7662 (909) 396-1455 Low. Williamson Jim 4m GEOFON, INC. NTCRA at IZB \$23 PROJECT NUMBER 04-4304. 250 LABORATORY PHONE (909) 396-1828 (409) 396-1498 PROJECT CONTACT

Tanaka Jayamaha (619) 84 >--,

PROJECT ADDRESS

Naval Base - Vastura (0. Post Huesene, CA.

PROJECT MANAGER

PROJECT MANAGER

PROJECT MANAGER'S
PHONE
(909) 396-7662 LABORATORY ADDRESS (909) 396- 1455 13760 Magaolia Are Diamond Bas CA. 91765 (909) 396-1455 # of Cont Sample Identifier Comments 4304250-128-169 SOIL 5/2/02/033 +: Polypropulene Sleeve-6" (1.75"-Diameter.) MONE 加 NORMAL 4304 250 - 128 - 70 1036 1052 Ø 1057 6 COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT TIME SAMPLE'S CONDITION UPON RECEIPT Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

IRP SITE 23



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710Tel. (909) 590-1828 Fax (909) 590-1498

April 4, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2124 and your project IRP Site 23 04-4304.250.

Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

QA/QC Director

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo W. Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022124

Collected by: Janaka Jayamaha Collected on: 03/12-20/02

Received: 03/22/02 Extracted: 03/22/02 Tested: 03/22-25/02

Reported: 03/27/02

Sample Description: Soil from IRP Site 23

Project Description: 04-4304.250 NTCRA at 12B &23

Analysis of Soil Samples

					Analys	is Result	
Component Analyzed	Method	Unit	PQL	4304250-23-035 02-02124-1	4304250-23-036 02-02124-2	4304250-23-037 02-02124-3	4304250-23-03 02-02124-4
MOISTURE	ASTM-D2216	%Moisture	0.5	3.2	4.5	3.1	6.7
PCBS							
Dilution Factor				1	1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 35
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 68	< 69	< 68	< 71
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	<35	< 34	< 35
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 35
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	<35	< 34	< 35
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 35
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33	< 34	16J	< 34	37

					Analys	is Result	
Component Analyzed	Method	Unit	PQL	4304250-23-039 02-02124-5	4304250-23-040 02-02124-6	4304250-23-041 02-02124-7	4304250-23-042 02-02124-8
MOISTURE	ASTM-D2216	%Moisture	0.5	6.2	11.8	4.0	4.8
PCBS							
Dilution Factor				1	1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 37	< 34	< 35
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 70	< 75	< 69	< 69
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 37	< 34	< 35
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 37	< 34	< 35
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	<37	< 34	< 35
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	<37	< 34	< 35
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	31J	9J	5J	71

					Analys	is Result	
Component Analyzed	Method	Unit	PQL	4304250-23-043	4304250-23-044	4304250-23-045	4304250-23-046
				02-02124-9	02-02124-10	02-02124-11	02-02124-12
MOISTURE	ASTM-D2216	%Moisture	0.5	5.5	6.0	9.6	11.1

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 D001 N 02-2124 Page: 1 of 3

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

					Analysis Re			
Component Analyzed	Method U	Jnit PQL	4304250-2 02-0212	23-043 430425 24-9 02-02		4250-23-045 -02124-11		50-23-046 2124-12
PCBS								
Dilution Factor			1		1	1		1
PCB-1016 (AROCLOR 1016)	8082 u	g/kg 33	< 35	<	35	< 37	<	: 37
PCB-1221 (AROCLOR 1221)	8082 u	g/kg 66	< 70	· <	70	< 73		74
PCB-1232 (AROCLOR 1232)	8082 µ	g/kg 33	< 35		35	< 37		: 37
PCB-1242 (AROCLOR 1242)		g/kg 33	<35		35	< 37		37
PCB-1248 (AROCLOR 1248)		g/kg 33	< 35		35	<37		37
PCB-1254 (AROCLOR 1254)	r.\	g/kg 33	<35		35	<37		:37
PCB-1260 (AROCLOR 1260)	μ.	g/kg 33	22J		30	6J		7J
	 					1 ' D 1		
Component Analyzed	Method	Unit	DOI 4	2004050 00 045		lysis Result		100 10 00
Component Analyzed	Method	Onit		304250-23-047 02-02124-13	02-02124-1			4304250-23- 02-02124-
MOISTURE PCBS	ASTM-D221	6 %Moistur	e 0.5	3.2	5.1	6.	1	8.7
Dilution Factor				1	1	5		1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	<35	< 1		< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu \mathrm{g/kg}}^{\mu \mathrm{g/kg}}$	66	< 68	< 70	<3		< 72
PCB-1232 (AROCLOR 1232)	8082	$_{\mu \mathrm{g}/\mathrm{kg}}^{\mu \mathrm{g}/\mathrm{g}}$	33	<34	< 35	< 1		< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}^{\mu}\mathrm{g/kg}$	33	< 34	<35	<18		< 36
PCB-1248 (AROCLOR 1248)	8082	$\mu \mathrm{g}/\mathrm{kg}$	33	< 34	<35	< 18		< 36
PCB-1254 (AROCLOR 1254)	8082	$\mu g/kg$	33	< 34	<35		180 <:	
PCB-1260 (AROCLOR 1260)	8082	$\mu g/kg$	33	10J	170	60		8J
			=======================================		Δnal	ysis Result		
Component Analyzed	Method	Unit		304250-23-051 02-02124-17		52 4304250	-23-053	4304250-23- 02-02124-2
MOISTURE	ASTM-D221	6 % Moietur	. 05	20.4	4.8	6.		8.6
PCBS	710 1 WI-D221	O MINIOISCUIA	5 0.0	20.4	4.0	0.	ı	0.0
Dilution Factor				1	10	20	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 41	< 350	< 70		< 36
PCB-1221 (AROCLOR 1221)	8082	$_{\mu\mathrm{g}/\mathrm{kg}}^{\mu\mathrm{g}/\mathrm{kg}}$	66	< 83	< 690	< 14		< 72
PCB-1232 (AROCLOR 1232)	8082	$_{\mu\mathrm{g}/\mathrm{kg}}^{\mu\mathrm{g}/\mathrm{kg}}$	33	< 41	< 350	< 70		< 36
PCB-1242 (AROCLOR 1242)	8082	$_{\mu\mathrm{g}}^{\mu\mathrm{g}/\mathrm{kg}}$	33	< 41	<350	< 70		< 36
PCB-1248 (AROCLOR 1248)	8082	$_{\mu\mathrm{g}}^{\mu\mathrm{g}/\mathrm{kg}}$	33	< 41	<350	< 70		< 36
PCB-1254 (AROCLOR 1254)	8082	$_{\mu\mathrm{g}/\mathrm{kg}}^{\mu\mathrm{g}/\mathrm{kg}}$	33	< 41	< 350	< 70		< 36
PCB-1260 (AROCLOR 1260)	8082	$_{\mu\mathrm{g/kg}}^{\mu\mathrm{g/kg}}$	33	13J	2,700	4,30		12J
	·			=	Analysis	Result		
Component Analyzed M	[ethod	Unit	PQL	4304250-23-05 02-02124-21	5 4304250-	23-056 43	304250- 02-0212	
MOISTURE AST	M-D2216	%Moisture	0.5	3.2	2.9)	4.5	

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 DO

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710

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APCL Analytical Report

					Analysis Result	
Component Analyzed	Method	Unit	PQL	4304250-23-055	4304250-23-056	4304250-23-057
				02-02124-21	02-02124-22	02-02124-23
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 34	< 35
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 68	< 68	< 69
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 34	< 35
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 34	< 35
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 34	< 35
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 34	< 35
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	52	3J	< 35

					Analysis Result	;
Component Analyzed	Method	Unit	PQL	4304250-23-058 02-02124-24	4304250-23-059 02-02124-25	4304250-23-060 02-02124-26
MOISTURE	ASTM-D2216	%Moisture	0.5	5.0	3.9	12.1
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 34	< 38
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 69	< 69	< 75
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 34	< 38
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 34	< 38
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 34	< 38
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	< 34	< 38
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	< 35	4J	170

PQL: Practical Quantitation Limit.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

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Laboratory Director

Applied P & Ch Laboratory

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 D001 № 02-2124 ឯ Page: 3 of 3

 $[\]label{eq:mdl} \mbox{MDL: Method Detection Limit.}$

CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

[&]quot;-": Analysis is not required.

 $J{:}\ Reported\ between\ PQL\ and\ MDL.$

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

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DIAMOND BAR, CA 91765 • (909) 3			ă.		
GEOFON'S LAB COORDINATOR LAB COORDINATOR'S P	PHONE LAB COORDINATOR'S F	AX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
LEO W. WILLIAMSON (909) 3916.	-7662 (99)396.	- 1455		JIM LIN	GEDFON, INC.
PROJECT NAME: PROJECT LOCATION	PROJ	ECT NUMBER	LABORATORY PHONE	(909) 590 - 1498	
NTCRA AT 128 9 23 TRP SITE PROJECT CONTACT PROJECT PHONE NUMB		<u> 4504. 250</u>	(969) 596 - 1828 LABORATORY ADDRESS	1999) 590 - 1970	JANAKA JAYAMAHA ADDRESS #270
		1466		In A Ave	
JANAKA JAH AMAHA (619) 843 -	. 5972 (909) 396	מבויו - נ	CITY. STATE AND ZIPCODE	JOLIA AVE.	22632 GOLDEN SPRIKS DR.
THE STATE OF THE S		< MO W	CHINO, CA.	91710	DIAMOND BAR, CA. 91765
PROJECT MANAGER'S PROJECT MANAGER'S	PROJECT MANAGER'S		CHIND, CA.	7777	DAMEND MAL, CA. 11 165
PHONE		1	25 /35/	<i>Y </i>	
	6-1062 1(104) 316	/ / /	Analyses Q125		
<u> </u>	A / / A / A / A / A / A / A / A / A / A	cont evel	NIT W		
Sample Identifier Math	The Title Reserved	Cont Level A.A.	A. Trail Visco 12 (2) 25		Comments
1 4504250-23- col Soil					MAG SAMPLES
035 7014	3/12/02/10:40 NONE 1	III. NORMAL	X		+ 4304 250 - 23 - est 045
2 4304250-23-602	1 10:43	正	x		Hu 4304750-23-058
	10:45		^ -	I BY	TUESDAY (3/9/02)
3 4304250-23-60-3	10:46		x		
037		皿	 ^ - - 	 	
4 4304250 - 23 - 004	10:48		x		
4304250 23-0-6		 ***	 		······································
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42-11750-22-00L				4164	
6 750-723-23-20	10:53	III	X		
7 4304250-23-007	10:56				
091	10:36	皿	X		
8 4504250-23-008					
042	11:01	亚	X	 	
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043	 	- - -	 ^ - - -	+-+ + +	
10 4304250-23- 010	V 11:05 V 1	 111 	X		
SAMPLES COLLECTED BY: JANAKA JANAHA		N V		COOL	ER TEMPERATURE UPON RECEIPT
RELINOUTS TED BY	BECEIVED BY	DATE	TIME		CONDITION UPON RECEIPT
Wat (mh	3202	9454		
1		1//			
Distribution: White	e - Laboratory (To be returned v	vith Analytical R	eport); Goldenrod -	Project File; Yellow - Pro	oject Data Manager

CHAIN-OF-CUSTODY RECORD

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22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

GEOFO	N's LAB COORDINATOR	LAB COORI	DINATOR	S PHONE		LAB COO	RDINATOR'S	FAX		L/	ABORAT	ORY SER	VICE ID	LABO	RATORY	CONTA	ct	•	MAIL REPORT (COMPANY		-	·
LE	O W. WILLIAMSON	1909)	3916	-76k	2	1909	396	-145	5					ム	4 L	-ıN			GEOFON, RECIPIENT NAME JANAKA	ING.		
PROJE	CT NAME:	PROJECT L	OCATION			راستنا	PRO	JECT NUMBE	R	,LA	BORAT	ORY PHO	NE	1 100	SATORN	C 4 3 1			RECIPIENT NAME	- , , , , , , , , , , , , , , , , , , ,		
NT	CEA @ 128 9 23 CT CONTACT VAKA JAYAMAHA CT ADDRESS NAVAL	IRP	517	E 23	2			-4304.	250	19	<u>9)5</u>	70-	IBZB RESS	1909	<u>1) 5</u>	<u> 10-</u>	. 140	1 <u>8</u>	JANAKA	JAYAM	ALLA	
PROJE	CT CONTACT	PROJECT P	HONE NU	MBER		PROJECT				_	ABORAT	ORY ADD	RESS	_	_	à.			ADDRESS 22.63.2. Gold CITY. STATE AND ZIPCOE			#
)A	MAKY JOHAMAHA	(619)	843	<u>s - 59</u>	72	(909	1 391	<u> -76</u>	<u>6Z</u>		371	00	MAG IPCODE	<u> 101</u>	-1A	A	Æ.		22632 GOLD	EN SPL	NKS Pr.	,270
PROJE	CT ADDRESS NAVAL	CITY, STAT	E AND ZIF	PCODE	- 4														CITY, STATE AND ZIPCOD	DE .	'	
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PROJE	CT MANAGER	PROJECT M PHONE	IANAGER 1	S	•	,	MANAGER'S	.,		i		•		/	/.	/	/	//		•		
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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 GEOFON'S LAB COORDINATOR LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT MAIL REPORT (COMPANY NAME) 909 396 -7662 LEO W. WILLIAMSON JIM LIN 396-7662 GEOFON PROJECT LOCATION PROJECT NUMBER LABQRATORY PHONE NTCR4 (2) IRP SITE 23 64-4301. 250 PROJECT PHONE NUMBER PROJECT FAX LABORATORY ADDRESS 619)843-5972 909 13760 MAGNOLIA CITY, STATE AND ZIPCODE PORT HOENEME LA CHIND, CA. 91710 DIAMOND BAR, GA 91765 1909 346-7662 (909) 396 - 1455 # of Cont OC Level Sample Identifier Comments 4304250-23-62 Soll 3 12 02 11:33 NONE NORTH 4304250-23-622 **II:35** 056 ΠL 4304250-23-023 11:37 $\Pi \Gamma$ 057 43-4250-23-024 11:39 058 TV 13:15 4304250-23-033 3/20/02 13:58 111 059 4304250-23-034 3/20/02 13:18 $\Pi\Pi$ 7 8 9 10 SAMPLES COLLECTED BY: JANAUA JAN AMALIA COURIER AND AIR BILL NUMBER: COOLER TEMPERATURE UPON RECEIPT RELANQUISHED BY RECEIVED BY SAMPLE'S CONDITION UPON RECEIPT 9454 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710 Tel. (909) 590-1828 Fax (909) 590-1498

April 16, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2278 and your project: NTCRA at 12,23. Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D., QA/QC Director

QA/QC Director

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

Service ID #: 801-022278

Collected by: Janaka Jayamaha Collected on: 04/02/02

Received: 04/03/02 Extracted: 04/03/02 Tested: 04/03-05/02

Reported: 04/10/02

Sample Description: Soil from IRP Site 23 Project Description: NTCRA @12B &23

Analysis of Soil Samples

					Analysi	is Result	
Component Analyzed	Method	Unit	PQL				4304250-23-06
				02-02278-1	02-02278-2	02-02278-3	02-02278-4
MOISTURE	ASTM-D2216	%Moisture	0.5	3.8	5.0	4.3	4.1
PCBS							
Dilution Factor				1	1	1	1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 34
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}{ m g/kg}$	66	< 69	< 69	. < 69	< 69
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 34
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g}/\mathrm{kg}$	33	< 34	< 35	< 34	< 34
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g}/\mathrm{kg}$	33	< 34	<35	< 34	< 34
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 34	< 35	< 34	< 34
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	9J	130	86	17J

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Wale -

Respectfully submitted,

Laboratory Director

Applied P & Ch Laboratory

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 Cl-0470 D002 № 02-2278 ឯ Page: 1

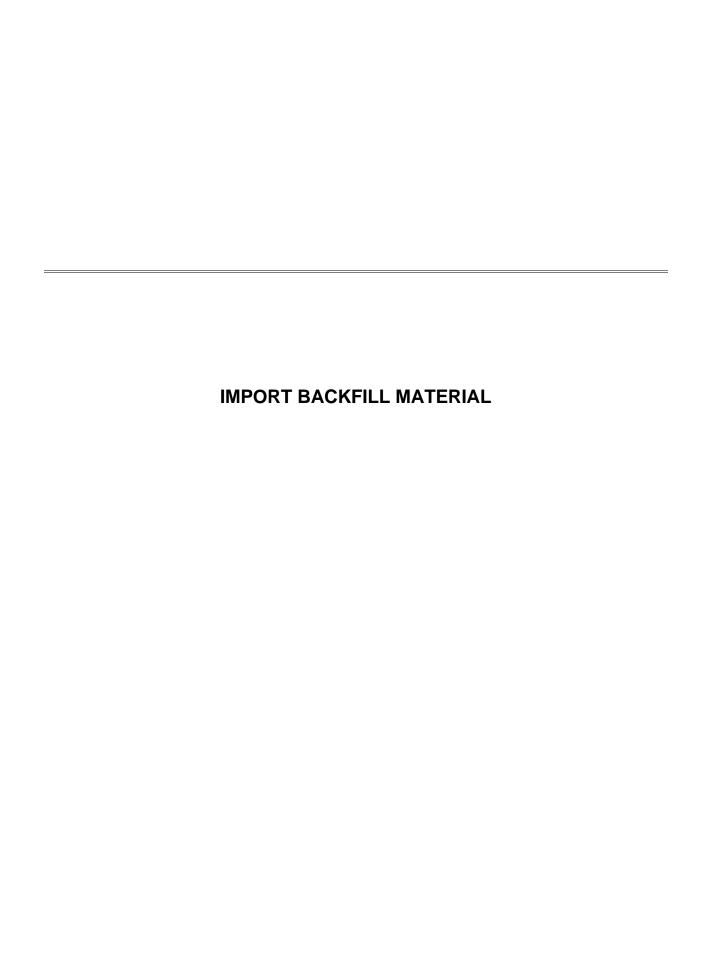
J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 GEOFON'S LAB COORDINATOR LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT MAJL REPORT (COMPANY NAME) LED WILLIAMS ON 909)396-7662 909) 396 - 1455 PROJECT NUMBER LABORATORY PHONE TEP SITE 23 NTCRA Q 909 390-1828 1951 590-1499 PROJECT CONTACT PROJECT PHONE NUMBER LABORATORY ADDRESS PROJECT FAX (619) 843 -5972 13760 MAGNOLIA AVE PROJECT ADDRESS NAVAL CITY, STATE AND ZIPCODE BAT HOENEME, CA BASE VENTORA GONTY CHINO CA DIAMOND BA ASPAR FAHEEM /909\396-14SS 396-7662 * of Cont OC Level Item Sample Identifier Comments 4304250-23-061 SOIL HE OZ Z: OB NOME 111 430+250-23-062 2:11 TIT 4304250-23-063 2:15 \mathbf{m} 4304250-23-064 2:20 5 6 8 9 COURIER AND AIR BILL NUMBER COOLER TEMPERATURE UPON RECEIPT. SAMPLE'S CONDITION UPON RECEIPT 4/3/02 3/50 4/3/02 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager





Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710 Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-1973 and your project NTCRA IRP Site 04-4304.250.

Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

QA/QC Director

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo W. Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-021973

Collected on: 03/12/02

Received: 03/13/02 Collected by: Leo W. Williamson Extracted: 03/14/02 Tested: 03/13-20/02

Reported: 03/21/02

Sample Description: Soil from IRP Site 23

Project Description: 04-4304.250 NTCRA at 12 and 23

Analysis of Soil Samples

				Analysis Result				
Component Analyzed	Method	Unit	PQL	044304250-23-(025-028) 02-01973-(1 to 4)	044304250-23-(029-032) 02-01973-(5 to 8)			
MOISTURE	ASTM-D2216	%Moisture	0.5	6.1	7.5			
METALS								
Dilution Factor				1	1			
ANTIMONY	6010B	mg/kg	5	< 5.3	< 5.4			
ARSENIC	6010B	mg/kg	0.3	1.6	1.9			
BARIUM	6010B	mg/kg	1	25.2	17.6			
BERYLLIUM	6010B	mg/kg	0.2	< 0.21	< 0.22			
CADMIUM	6010B	mg/kg	0.2	0.61	0.57			
CHROMIUM	6010B	mg/kg	0.5	17.2	16.7			
COBALT	6010B	mg/kg	0.5	16.2	17.7			
COPPER	6010B	mg/kg	0.5	21.8	22.4			
LEAD	6010B	mg/kg	0.3	19.9	19.5			
MERCURY	7471A	mg/kg	0.2	0.031J	0.038J			
MOLYBDENUM	6010B	mg/kg	0.2	< 0.21	< 0.22			
NICKEL	6010B	mg/kg	0.3	16.6	17.3			
SELENIUM	6010B	mg/kg	0.5	< 0.53	< 0.54			
SILVER	6010B	mg/kg	0.5	< 0.53	< 0.54			
THALLIUM	6010B	mg/kg	0.5	< 0.53	< 0.54			
VANADIUM	6010B	mg/kg	0.5	43.7	41.5			
ZINC	6010B	mg/kg	0.5	55.0	55.1			
VOLATILE ORGANICS		0, 0						
Dilution Factor				1	1			
ACETONE	8260B	$_{\mu}\mathrm{g/kg}$	100	< 110	<110			
BENZENE	8260B	$_{\mu}^{\mu g/kg}$	5	< 5.3	< 5.4			
BROMOBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
BROMOCHLOROMETHANE	$8260\mathrm{B}$	$\mu g/kg$	5	< 5.3	< 5.4			
BROMODICHLOROMETHANE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
BROMOFORM	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
BROMOMETHANE	$8260\mathrm{B}$	$\mu g/kg$	5	< 5.3	< 5.4			
2-BUTANONE (MEK)	8260B	$_{\mu}^{\mu}\mathrm{g/kg}$	100	< 110	<110			
N-BUTYLBENZENE	$8260\mathbf{B}$	$_{\mu}^{\mu}\mathrm{g}/\mathrm{kg}$	5	< 5.3	< 5.4			
SEC-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
TERT-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
CARBON DISULFIDE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
CARBON TETRACHLORIDE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
CHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
CHLORODIBROMOMETHANE	8260B	$\mu_{\rm g}/{\rm kg}$	5	< 5.3	< 5.4			
CHLOROETHANE	8260B	$\mu_{\rm g}/{\rm kg}$	5	< 5.3	< 5.4			
CHLOROFORM	8260B	$_{\mu\mathrm{g}/\mathrm{kg}}^{\mu\mathrm{g}/\mathrm{kg}}$	5	< 5.3	< 5.4			
OHBOROFORM	0200D	μg/ kg	3	< 0.3	< 5.4			

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

Cl-0470 D001 № 02-1973 ‡ Page: 1 of 5

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

				Analysis Result				
Component Analyzed	Method	Unit	PQL	044304250-23-(025-028) 02-01973-(1 to 4)	044304250-23-(029-032 02-01973-(5 to 8)			
CHLOROMETHANE	8260B	μg/kg	5	< 5.3	< 5.4			
2-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
4-CHLOROTOLUENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2-DIBROMO-3-CHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2-DIBROMOETHANE (EDB)	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
DIBROMOMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2-DICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,3-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
1,4-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
DICHLORODIFLUOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1-DICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2-DICHLOROETHANE	$8260\mathbf{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1-DICHLOROETHENE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
CIS-1,2-DICHLOROETHENE	8260B	$_{\mu \mathrm{g/kg}}$	5	< 5.3	< 5.4			
TRANS-1,2-DICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2-DICHLOROPROPANE	$8260 \mathbf{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,3-DICHLOROPROPANE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
2,2-DICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1-DICHLOROPROPENE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
CIS-1,3-DICHLOROPROPENE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
TRANS-1,3-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
ETHYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
HEXACHLOROBUTADIENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
2-HEXANONE	8260B	$_{\mu}\mathrm{g/kg}$	10	< 11	<11			
ISOPROPYLBENZENE (CUMENE)	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
P-ISOPROPYLTOLUENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
METHYLENE CHLORIDE	8260B	$_{\mu}\mathrm{g/kg}$	5	5J	6			
4-METHYL-2-PENTANONE (MIBK)	8260B	$_{\mu}\mathrm{g/kg}$	50	< 53	< 54			
METHYL-T-BUTYL ETHER (MTBE)	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	10	< 11	<11			
NAPHTHALENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
N-PROPYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
STYRENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1,1,2-TETRACHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1,2,2-TETRACHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
TETRACHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
TOLUENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2,3-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2,4-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1,1-TRICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,1,2-TRICHLOROETHANE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
TRICHLOROETHENE	8260B	$\mu g/kg$	5	1J	0.8J			
TRICHLOROFLUOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2,3-TRICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.3	< 5.4			
1,2,4-TRIMETHYLBENZENE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
1,3,5-TRIMETHYLBENZENE	8260B	$\mu \mathrm{g/kg}$	5	< 5.3	< 5.4			
VINYL CHLORIDE	8260B	$\mu g/kg$	5	< 5.3	< 5.4			
XYLENES (TOTAL)	$8260\mathrm{B}$	$\mu g/kg$	5	< 5.3	< 5.4			
T-AMYL METHYL ETHER	8260B	$\mu g/kg$	5	< 5.3	< 5.4			

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 D001 N 02-1973 h Page: 2 of 5

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710 Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

,				Analysi	s Result
Component Analyzed	Met	hod Unit	PQL	044304250-23-(025-028) to	044304250-23-(029-032)
				02-01973-(1 to 4)	02-01973-(5 to 8)
PCBS					
Dilution Factor				5	5
PCB-1016 (AROCLO	OR 1016) 808	$\mu g/kg$	33	< 180	< 180
PCB-1221 (AROCLO	OR 1221) 808		66	< 350	< 360
PCB-1232 (AROCLO	OR 1232) 808	•	33	< 180	< 180
PCB-1242 (AROCLO	OR 1242) 808	· ·	33	< 180	< 180
PCB-1248 (AROCLO	OR 1248) 808	•	33	< 180	< 180
PCB-1254 (AROCLO	OR 1254) 808	•	33	< 180	< 180
PCB-1260 (AROCLO	OR 1260) 808	•	33	830	1,400
·				Analysis	s Result
Component Analyzed	\mathbf{Method}	Unit	PQL	044304250-12B-(033-036)	044304250-12B-(037-040
		- 777	- 1	02-01973-(09 to 12)	02-01973-(13 to 16)
MOISTURE	ASTM-D2216	%Moisture	0.5	12.1	9.6
METALS					
Dilution Factor				1	1
ANTIMONY	6010B	mg/kg	5	< 5.7	< 5.5
ARSENIC	6010B	mg/kg	0.3	3.1	2.6
BARIUM	6010B	mg/kg	1	52.3	44.2
BERYLLIUM	6010B	mg/kg	0.2	< 0.23	< 0.22
CADMIUM	6010B	mg/kg	0.2	1.1	0.66
CHROMIUM	6010B	mg/kg	0.5	21.1	13.8
COBALT	6010B	mg/kg	0.5	16.2	12.1
COPPER	6010B	mg/kg	0.5	28.6	22.3
LEAD	6010B	mg/kg	0.3	32.6	8.6
MERCURY	7471A	mg/kg	0.2	0.035J	0.031J
MOLYBDENUM	6010B	mg/kg	0.2	< 0.23	< 0.22
NICKEL	6010B	mg/kg	0.3	24.1	17.5
SELENIUM	6010B	mg/kg	0.5	< 0.57	< 0.55
SILVER	6010B	mg/kg	0.5	< 0.57	< 0.55
THALLIUM	6010B	mg/kg	0.5	< 0.57	< 0.55
VANADIUM	6010B	mg/kg	0.5	42.8	31.0
ZINC	6010B	mg/kg	0.5	199	47.1

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 Cl-0470 D001 № 02-1973 ឯ Page: 3 of 5

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

				Analysis Result				
Component Analyzed	Method	Unit	PQL	044304250-12B-(033-036) 02-01973-(09 to 12)	044304250-12B-(037-040 02-01973-(13 to 16)			
VOLATILE ORGANICS								
Dilution Factor				1	1			
ACETONE	8260B	$_{\mu}\mathrm{g/kg}$	100	< 110	<110			
BENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
BROMOBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
BROMOCHLOROMETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
BROMODICHLOROMETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
BROMOFORM	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
BROMOMETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
2-BUTANONE (MEK)	8260B	$\mu g/kg$	100	< 110	< 110			
N-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
SEC-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
TERT-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CARBON DISULFIDE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CARBON TETRACHLORIDE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CHLORODIBROMOMETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CHLOROETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CHLOROFORM	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CHLOROMETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
2-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
4-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,2-DIBROMO-3-CHLOROPROPANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,2-DIBROMOETHANE (EDB)	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
DIBROMOMETHANE	8260B	$\mu \mathrm{g/kg}$	5	< 5.7	< 5.5			
1,2-DICHLOROBENZENE	8260B	$\mu \mathrm{g/kg}$	5	< 5.7	< 5.5			
1,3-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,4-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
DICHLORODIFLUOROMETHANE	8260B	$\mu \mathrm{g/kg}$	5	< 5.7	< 5.5			
1,1-DICHLOROETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,2-DICHLOROETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,1-DICHLOROETHENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CIS-1,2-DICHLOROETHENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
TRANS-1,2-DICHLOROETHENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,2-DICHLOROPROPANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
1,3-DICHLOROPROPANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
2,2-DICHLOROPROPANE	8260B	$\mu \mathrm{g/kg}$	5	< 5.7	< 5.5			
1,1-DICHLOROPROPENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
CIS-1,3-DICHLOROPROPENE	$8260\mathrm{B}$	$\mu g/kg$	5	< 5.7	< 5.5			
TRANS-1,3-DICHLOROPROPENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
ETHYLBENZENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
HEXACHLOROBUTADIENE	8260B	$\mu g/kg$	5	< 5.7	< 5.5			
2-HEXANONE	8260B	$\mu g/kg$	10	<11	<11			
ISOPROPYLBENZENE (CUMENE)	8260B	$\mu g/kg$	5	< 5.7	< 5.5			

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

				Analys	Analysis Result				
Component Analyzed	Method	Unit	PQL	044304250-12B-(033-036) 02-01973-(09 to 12)	044304250-12B-(037-040) 02-01973-(13 to 16)				
P-ISOPROPYLTOLUENE	8260B	μg/kg	5	< 5.7	< 5.5				
METHYLENE CHLORIDE	8260B	$\mu g/kg$	5	10	7				
4-METHYL-2-PENTANONE (MIBK)	8260B	$_{\mu}\mathrm{g/kg}$	50	< 57	< 55				
METHYL-T-BUTYL ETHER (MTBE)	8260B	$_{\mu}\mathrm{g/kg}$	10	< 11	<11				
NAPHTHALENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
N-PROPYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
STYRENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,1,1,2-TETRACHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,1,2,2-TETRACHLOROETHANE	8260B	$\mu g/kg$	5	< 5.7	< 5.5				
TETRACHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
TOLUENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,2,3-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,2,4-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,1,1-TRICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,1,2-TRICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
TRICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	0.8J	< 5.5				
TRICHLOROFLUOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,2,3-TRICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,2,4-TRIMETHYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
1,3,5-TRIMETHYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
VINYL CHLORIDE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
XYLENES (TOTAL)	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
T-AMYL METHYL ETHER	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.7	< 5.5				
PCBS									
Dilution Factor				20	20				
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 750	< 730				
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	< 1500	< 1500				
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 750	< 730				
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 750	< 730				
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 750	<730				
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 750	< 730				
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	4,600	2,800				

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Dominic Lau

Laboratory Director

Applied P & Ch Laboratory

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LABORATORY CONTACT MAIL REPORT (COMPANY NAME) LAB COORDINATOR'S PHONE LAB COORDINATOR'S FAX LABORATORY SERVICE ID GEOFON'S LAB COORDINATOR (909) 396-7662 (909) 396-1455 Jim Lin GEOFON. INC. LOOW. Williamson RECIPIENT NAME

Tan aka Tayamaha

ADDRESS

22632 Golden Springs Dr. #270

CITY. STATE AND ZIPCODE

Piamond Bar, CA. 91765 PROJECT LOCATION

IRP Site 23 LABORATORY PHONE (909) 590- 1498 PROJECT NUMBER NTCRA at 12 \$ 23 04-4304,250 PROJECT CONTACT

Tangka Jayamaka (619) 843-5972

PROJECT ADDRESS

CITY. STATE AND ZIPCODE LABORATORY ADDRESS
13766 Mag no lig Ave
CITY, STATE AND ZIPCODE PROJECT FAX (909) 396-1455 Naval Base Vestura Co. Port Hueneme, CA.
PROJECT MANAGER'S

PROJECT MANAGER'S Chino, A. 91710 US NAUY SUDIV 1909) 396-766Z Asrai Faheem 1909) 396-1455 red to the red Comments Sample Identifier 044304250-23-26025 STOCKPILE SAMPLING 3/2/02/346 NONE NORMAL 044304250-23-026 1348 COMPOSITE FOUR (4) SAMPLES 044304250-23-027 1351 INTO ONE SAMPLE 044304250-23- 028 1353 044304250-23-029 1357 044304250-23-030 1400 COMPOSTE FOUR (4) SAMPLES 044304250-23-031 1404 044304250-23-032 1407 9 10 COOLER TEMPERATURE UPON RECEIPT COURIER AND AIR BILL NUMBER SAMPLE'S CONDITION UPON RECEIPT 7/3/02 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

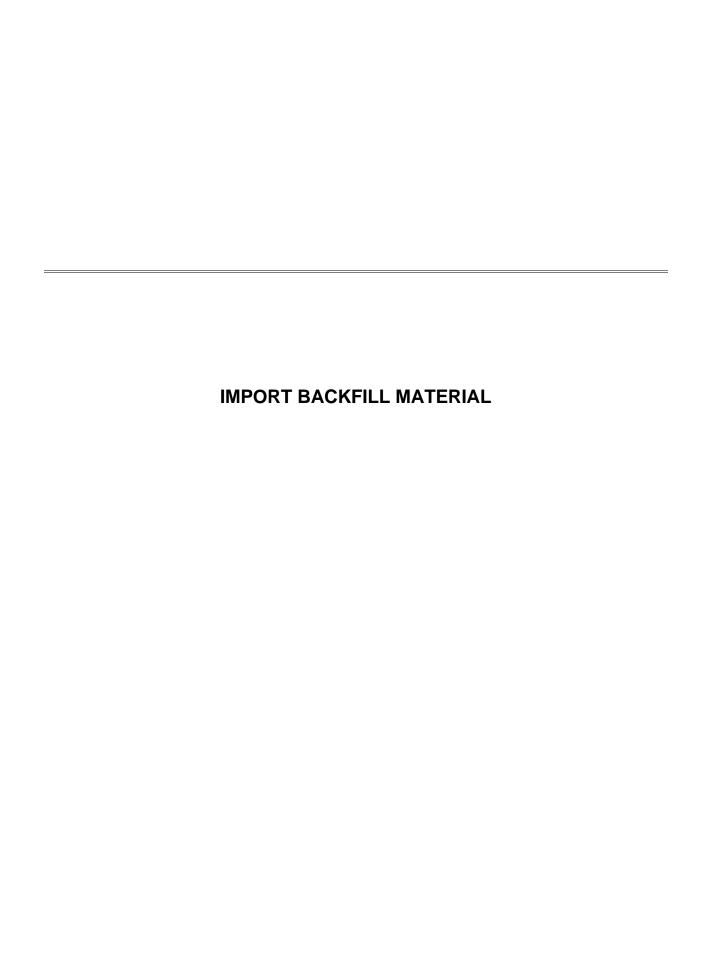
1 OF 1

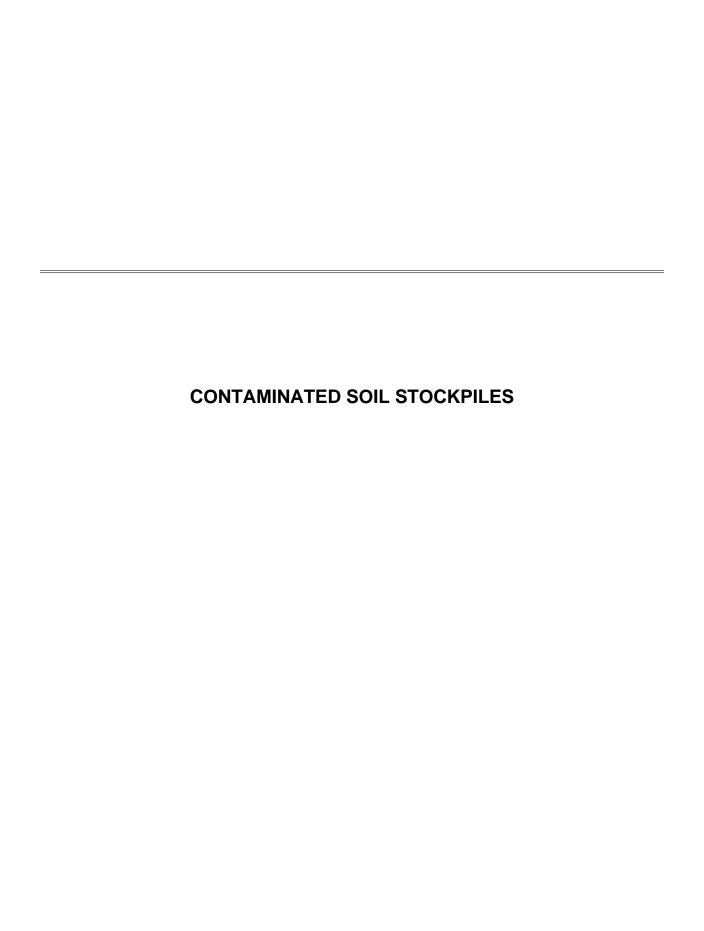
22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 LAB COORDINATOR'S FAX LABORATORY SERVICE ID LABORATORY CONTACT (909) 396-1455 Leo W. Williamson (909) 396-7662 Jim Lin PROJECT LOCATION Site 12B PROJECT NUMBER 04-4304, 250 PROJECT NAME: NTCRA at 12223 LABORATORY PHONE (909) 3962-1828 PROJECT FAX (909) 396 - 1455 PROJECT PHONE NUMBER Janaka Jayamaha

PROJECT ADDRESS

Naval Base Ventura (o,

PROJECT MANAGER (619) 843- 5972 CITY. STATE AND ZIPCODE 13760 Magnolia Ave Port Hueneme, CA.
PROJECT MANAGER'S US NACY SWOIN Pigmond Bar, CA. 91765 (909) 396-766 Z (909) 396-1455 Asrar Fahoem / of Cont OC Level Item Date Comments Sample Identifier 044304250-12B-033 STOCKPILE SAMPLING 3/12/02 1006 Ш SOIL NONE HORMAL 644304250-12B-034 1010 044304250 -128-035 > COMPOSITE FOUR (4) SAMPLES 1015 X INTO ONE SAMPLE 044304250-12 B-036 1018 044304250-128-037 1021 044304 250- 128-038 1025 COMPOSITE FOUR (4) SAMPLES 044304250-128-039 > INTO ONE SAMPLE 1029 044304250-12BNO 1034 9 10 COURIER AND AIR BILL NUMBER COOLER TEMPERATURE UPON RECEIPT 3/13/02 1210 Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager







Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710Tel. (909) 590-1828 Fax (909) 590-1498

April 15, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2126 and your project: NTCRA at 12B,23B. Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,

QA/QC Director

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022126 Collected by: Janaka Jayamaha Collected on: 03/21/02

Received: 03/22/02 Extracted: 03/25/02 Tested: 03/22-25/02 Reported: 03/28/02

Sample Description: Soil from IRP Sites.

Project Description: 04-4304.25D NTCRA at 12B &23B

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result 4304250-BM-00(1 to 4) 02-02126-(1 to 4)	
MOISTURE	ASTM-D2216	%Moisture	0.5	17.0	
TTLC 17 METALS					
Dilution Factor				1	
ANTIMONY	6010B	mg/kg	5	< 6.0	
ARSENIC	6010B	mg/kg	0.3	4.3	
BARIUM	6010B	mg/kg	1	84.5	
BERYLLIUM	6010B	mg/kg	0.2	0.083J	
CADMIUM	6010B	mg/kg	0.2	0.41	
CHROMIUM	6010B	mg/kg	0.5	28.6	
COBALT	6010B	mg/kg	0.5	9.6	
COPPER	6010B	mg/kg	0.5	15.2	
LEAD	6010B	mg/kg	0.3	7.9	
MERCURY	7471A	mg/kg	0.2	0.067J	
MOLYBDENUM	6010B	mg/kg	0.2	0.14J	
NICKEL	6010B	mg/kg	0.3	27.3	
SELENIUM	6010B	mg/kg	0.5	0.23J	
SILVER	6010B	mg/kg	0.5	< 0.60	
THALLIUM	6010B	mg/kg	0.5	< 0.60	
VANADIUM	6010B	mg/kg	0.5	34.2	
ZINC	6010B	mg/kg	0.5	48.3	
VOLATILE ORGANICS		0/0		2010	
Dilution Factor				1	
ACETONE	8260B	$_{\mu}\mathrm{g/kg}$	100	< 120	
BENZENE	8260B	μg/kg	5	< 6.0	
BROMOBENZENE	8260B	$\mu g/kg$	5	< 6.0	
BROMOCHLOROMETHANE	8260B	$\mu g/kg$	5	< 6.0	
BROMODICHLOROMETHANE	8260B	$\mu g/kg$	5	< 6.0	
BROMOFORM	8260B	$\mu g/kg$	5	< 6.0	
BROMOMETHANE	8260B	μg/kg	5	< 6.0	
2-BUTANONE (MEK)	8260B	$\mu g/kg$	100	< 120	
N-BUTYLBENŻENE (8260B	$_{\mu}^{\mu}\mathrm{g/kg}$	5	< 6.0	
SEC-BUTYLBENZENE	8260B	$\mu g / kg$	5	< 6.0	
TERT-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 6.0	
CARBON DISULFIDE	8260B	$\mu g/kg$	5	< 6.0	
CARBON TETRACHLORIDE	8260B	$_{\mu \mathrm{g}/\mathrm{kg}}^{\mu \mathrm{g}/\mathrm{kg}}$	5	< 6.0	
CHLOROBENZENE	8260B	$\mu g/kg$	5	< 6.0	
CHLORODIBROMOMETHANE	8260B	$\mu g/kg$	-5	< 6.0	
CHLOROETHANE	8260B	$\mu g/kg$	5	< 6.0	
CHLOROFORM	8260B	$\mu g/kg$	5	< 6.0	

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 4304250-BM-00(1 to 4) 02-02126-(1 to 4)		
CHLOROMETHANE	8260B	$\mu \mathrm{g/kg}$	5	< 6.0		
2-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 6.0		
4-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 6.0		
1,2-DIBROMO-3-CHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,2-DIBROMOETHANE (EDB)	8260B	$\mu g/kg$	5	< 6.0		
DIBROMOMETHANE `	8260B	$_{\mu \mathrm{g/kg}}^{\mu \mathrm{g/kg}}$	5	< 6.0		
1,2-DICHLOROBENZENE	8260B	μg/kg	5	< 6.0		
1,3-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 6.0		
1,4-DICHLOROBENZENE	8260B	$\mu g/kg$	5	< 6.0		
DICHLORODIFLUOROMETHANE	8260B	$\mu g/kg$	5	< 6.0		
1,1-DICHLOROETHANE	8260B	$\mu g/kg$	5	< 6.0		
1,2-DICHLOROETHANE	8260B	$\mu g/kg$	5	< 6.0		
1,1-DICHLOROETHENE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
CIS-1,2-DICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
TRANS-1,2-DICHLOROETHENE	8260B	$\mu g/kg$	5	< 6.0		
1,2-DICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,3-DICHLOROPROPANE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
2,2-DICHLOROPROPANE	8260B	$_{\mu \mathrm{g/kg}}$	5	< 6.0		
1,1-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
CIS-1,3-DICHLOROPROPENE	8260B	$\mu g/kg$	5	< 6.0		
TRANS-1,3-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
ETHYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
HEXACHLOROBUTADIENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
2-HEXANONE	8260B	$_{\mu}\mathrm{g/kg}$	10	< 12		
ISOPROPYLBENZENE (CUMENE)	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
P-ISOPROPYLTOLUENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
METHYLENE CHLORIDE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	2J		
4-METHYL-2-PENTANONE (MIBK)	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	50	< 60		
METHYL-T-BUTYL ETHER (MTBE)	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	10	< 12		
NAPHTHALENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
N-PROPYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
STYRENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,1,1,2-TETRACHLOROETHANE	8260B	$\mu g/kg$	5	< 6.0		
1,1,2,2-TETRACHLOROETHANE	$8260\mathrm{B}$	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
TETRACHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
TOLUENE	8260B	$\mu \mathrm{g/kg}$	5	< 6.0		
1,2,3-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,2,4-TRICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,1,1-TRICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,1,2-TRICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
TRICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
TRICHLOROFLUOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
1,2,3-TRICHLOROPROPANE	8260B	$\mu g/kg$	5	< 6.0		
1,2,4-TRIMETHYLBENZENE	8260B	$\mu g/kg$	5	< 6.0		
1,3,5-TRIMETHYLBENZENE	8260B	$\mu g/kg$	5	< 6.0		
VINYL CHLORIDE	8260B	$\mu g/kg$	5	< 6.0		
XYLENES (TOTAL)	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		
T-AMYL METHYL ETHER	8260B	$_{\mu}\mathrm{g/kg}$	5	< 6.0		

CADHS ELAP No.: 1431 NFESC A

NFESC Approved since 11/01/94

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 4304250-BM-00(1 to 4) 02-02126-(1 to 4)
PCBS				
Dilution Factor				1
PCB-1016 (AROCLOR 1016)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40
PCB-1221 (AROCLOR 1221)	8082	$_{\mu}\mathrm{g/kg}$	66	<80
PCB-1232 (AROCLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40
PCB-1242 (AROCLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40
PCB-1248 (AROCLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40
PCB-1254 (AROCLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40
PCB-1260 (AROCLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	< 40

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit.

"-": Analysis is not required.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Ille lun

Laboratory Director

N.D.: Not Detected or less than the practical quantitation limit.

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

GEOFO	N's LAB COORDINATOR	LAB COO	RDINAT	OR'S PH	ONE		LAB COOR	DINATOR'S F	AY			LABOR	ATORY	SERVICE	T	1 4 000	ATORY	CONTA	<i>~</i>		MAIL REPORT (COMPANY NAME)
	W. WILLIAMSON								 766Z			LABOR	AIUKI	SERVICE	"						
PROIF	CT NAME:	PROJECT	LOCATI	ION					ECT NUMBER		\dashv	LABQR	4T00V	BUONE	\rightarrow	LABOR		<u> </u>			RECIPIENT NAME
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Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710Tel. (909) 590-1828 Fax (909) 590-1498

May 15, 2002

GEOFON, Inc.

Attention: Leo Williamson

22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Dear Leo Williamson,

This package contains samples in our Service ID 02-2614 and your project: Port Hueneme 1 Backfill Material.

Enclosed please find:

- (1) Copy of the analytical report.
- (2) Copy of Chain of Custody.
- (3) One diskette containing EDD deliverable.
- (4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D. QA/QC Director

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

Submitted to: GEOFON, Inc.

Attention: Leo W. Williamson 22632 Golden Spring Dr Ste 270

Diamond Bar CA 91765

Tel: (909)396-7662 Fax: (909)396-1455

APCL Analytical Report

Service ID #: 801-022614

Collected by: Leo W. Collected on: 04/25/02

Received: 04/25/02 Extracted: 04/25/02

Tested: 04/25-26/02 Reported: 04/26/02

Sample Description: Soil from Backfill Material

Project Description: 04-4304.250 Port Hueneme #1

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result BM-2 02-02614-1	
MOISTURE, PERCENT	ASTM-D2216	%Moisture	0.5	10.9	
TTLC 17 METALS					
Dilution Factor				1	
ANTIMONY	6010B	mg/kg	5	< 5.6	
ARSENIC	6010B	mg/kg	0.3	5.4	
BARIUM	6010B	mg/kg	1	98.5	
BERYLLIUM	6010B	mg/kg	0.2	0.065J	
CADMIUM	6010B	mg/kg	0.2	1.0	
CHROMIUM	6010B	mg/kg	0.5	22.7	
COBALT	6010B	mg/kg	0.5	10.1	
COPPER	6010B	mg/kg	0.5	20.4	
LEAD	6010B	mg/kg	0.3	9.7	
MERCURY	7471A	mg/kg	0.2	0.068J	
MOLYBDENUM	6010B	mg/kg	0.2	1.7	
NICKEL	6010B	mg/kg	0.3	27.2	
SELENIUM	6010B	mg/kg	0.5	< 0.56	
SILVER	6010B	mg/kg	0.5	< 0.56	
THALLIUM	6010B	mg/kg	0.5	< 0.56	
VANADIUM	6010B	mg/kg	0.5	36.8	
ZINC	6010B	mg/kg	0.5	58.4	
Dilution Factor				1	
PHC AS GASOLINE	M8015V	mg/kg	1	0.03J	
Dilution Factor				10	
PHC AS DIESEL FUEL	M8015E	mg/kg	10	<110	
Dilution Factor				10	
MOTOR OILS	M8015E	nıg/kg	10	610	

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

Cl-0470 D002 X 02-2614 Page: 1 of 4

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710 Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result BM-2 02-02614-1
VOLATILE ORGANICS				
Dilution Factor				1
ACETONE	8260B	$_{\mu}\mathrm{g/kg}$	100	<110
BENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
BROMOBENZENE	8260B	$\mu g/kg$	5	< 5.6
BROMOCHLOROMETHANE	8260B	μg/kg	5	< 5.6
BROMODICHLOROMETHANE	8260B	$\mu g/kg$	5	< 5.6
BROMOFORM	8260B	$\mu g/kg$	5	< 5.6
BROMOMETHANE	8260B	μg/kg	5,	< 5.6
2-BUTANONE (MEK)	8260B	$\mu g/kg$	100	<110
N-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.6
SEC-BUTYLBENZENE	8260B	$\mu g/kg$	5	< 5.6
TERT-BUTYLBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
CARBON DISULFIDE	8260B	$\mu g/kg$	5	< 5.6
CARBON TETRACHLORIDE	8260B	$_{\mu}^{\prime}\mathrm{g/kg}$	5	< 5.6
CHLOROBENZENE	8260B	$\mu g/kg$	5	< 5.6
CHLORODIBROMOMETHANE	8260B	$\mu g/kg$	5	< 5.6
CHLOROETHANE	8260B	$_{\mu}^{\prime}\mathrm{g/kg}$	5	< 5.6
CHLOROFORM	8260B	$\mu g/kg$	5	< 5.6
CHLOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
2-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 5.6
4-CHLOROTOLUENE	8260B	$\mu g/kg$	5	< 5.6
1,2-DIBROMO-3-CHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,2-DIBROMOETHANE (EDB)	8260B	$\mu g/kg$	5	< 5.6
DIBROMOMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,2-DICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,3-DICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,4-DICHLOROBENZENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
DICHLORODIFLUOROMETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,1-DICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,2-DICHLOROETHANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,1-DICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
CIS-1,2-DICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
TRANS-1,2-DICHLOROETHENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,2-DICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,3-DICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
2,2-DICHLOROPROPANE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
1,1-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
CIS-1,3-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
TRANS-1,3-DICHLOROPROPENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
ETHYLBENZÈNE	8260B	$\mu g/kg$	5	< 5.6
HEXACHLOROBUTADIENE	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
2-HEXANONE	8260B	$\mu g/kg$	10	<11
ISOPROPYLBENZENE (CUMENE)	8260B	$_{\mu}\mathrm{g/kg}$	5	< 5.6
P-ISOPROPYLTOLUENE	8260B	$\mu g/kg$	5	< 5.6

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94 CI-0470 D002 N 02-2614 h Page: 2 of 4

Applied P & Ch Laboratory 13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result BM-2 02-02614-1
METHYLENE CHLORIDE	8260B	μg/kg	5	12
4-METHYL-2-PENTANONE (MIBK)	8260B	$\mu g/kg$	50	< 56
METHYL-T-BUTYL ETHER (MTBE)	8260B	μg/kg	10	<11
NAPHTHALENE	8260B	μg/kg	5	< 5.6
N-PROPYLBENZENE	8260B	μg/kg	5	< 5.6
STYRENE	8260B	μg/kg	5	< 5.6
1,1,1,2-TETRACHLOROETHANE	8260B	μg/kg	5	< 5.6
1,1,2,2-TETRACHLOROETHANE	8260B	μg/kg	5	< 5.6
TETRACHLOROETHENE	8260B	μg/kg	5	< 5.6
TOLUENE	8260B	μg/kg	5	< 5.6
1,2,3-TRICHLOROBENZENE	8260B	μg/kg	5	< 5.6
1,2,4-TRICHLOROBENZENE	8260B	μg/kg	5	< 5.6
1,1,1-TRICHLOROETHANE	8260B	μg/kg	5	< 5.6
1,1,2-TRICHLOROETHANE	8260B	μg/kg	5	< 5.6
TRICHLOROETHENE	8260B	μg/kg	5	< 5.6
TRICHLOROFLUOROMETHANE	8260B	μg/kg	5	< 5.6
1,2,3-TRICHLOROPROPANE	8260B	μg/kg	5	< 5.6
1,2,4-TRIMETHYLBENZENE	8260B	μg/kg	5	< 5.6
1,3,5-TRIMETHYLBENZENE	8260B	μg/kg	5	< 5.6
VINYL CHLORIDE	8260B	$\mu g/kg$	5	< 5.6
XYLENES (TOTAL)	8260B	μg/kg	5	< 5.6
T-AMYL METHYL ETHER	8260B	$\mu g/kg$	5	< 5.6
ORGANOCHLORINE PESTICIDES		μοιο	Ū	
Dilution Factor				1
ALDRIN	8081A	$_{\mu \mathrm{g/kg}}$	1.7	<1.9
BETA BHC	8081A	$\mu g/kg$	1.7	<1.9
ALPHA BHC	8081A	μg/kg	1.7	<1.9
DELTA BHC	8081A	$\mu g/kg$	1.7	<1.9
GAMMA BHC (LINDANE)	8081A	μg/kg	1.7	<1.9
ALPHA-CHLORDANE	8081A	μg/kg	1	<1.1
GAMMA-CHLORDANE	8081A	μς/kg μg/kg	1	<1.1
P,P'-DDD	8081A	μς/ kg μg/kg	3	20
P,P'-DDE	8081A	μg/kg μg/kg	3	48
P,P'-DDT	8081A		3	26
DIELDRIN	8081A	μg/kg μg/kg	3	
ALPHA ENDOSULFAN	8081A		3 1.7	< 3.4
BETA ENDOSULFAN	8081A	μg/kg	3	< 1.9
ENDOSULFAN SULFATE	8081A	μg/kg α/kα		< 3.4 4J
ENDRIN	8081A	μg/kg	5	
ENDRIN ALDEHYDE	8081A	μg/kg	3	< 3.4
ENDRIN KETONE		μg/kg	3	< 3.4
HEPTACHLOR	8081A	μg/kg	2	< 2.2
HEPTACHLOR EPOXIDE	8081A	μg/kg	1.7	<1.9
METHOXYCHLOR	8081A	μg/kg	1.7	0.5J
TOXAPHENE	8081A 8081A	μg/kg μg/kg	10 100	<11 <110

CADHS ELAP No.: 1431

NFESC Approved since 11/01/94

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result BM-2 02-02614-1
PCBS				
Dilution Factor				1
PCB-1016 (AROCHLOR 1016)	8082	$_{\mu}\mathrm{g}/\mathrm{kg}$	33	< 37
PCB-1221 (AROCHLOR 1221)	8082	$\mu \mathrm{g/kg}$	66	< 74
PCB-1232 (AROCHLOR 1232)	8082	$_{\mu}\mathrm{g/kg}$	33	< 37
PCB-1242 (AROCHLOR 1242)	8082	$_{\mu}\mathrm{g/kg}$	33	<37
PCB-1248 (AROCHLOR 1248)	8082	$_{\mu}\mathrm{g/kg}$	33	<37
PCB-1254 (AROCHLOR 1254)	8082	$_{\mu}\mathrm{g/kg}$	33	<37
PCB-1260 (AROCHLOR 1260)	8082	$_{\mu}\mathrm{g/kg}$	33	13J

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Dominic Lau

Laboratory Director

Applied P & Ch Laboratory

N.D.: Not Detected or less than the practical quantitation limit.

[&]quot;-": Analysis is not required.

J: Reported between PQL and MDL.

[†] All results are reported on dry basis for soil samples.

GEOFON

22632 GOLDEN SPRINGS DR., SUITE 270

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

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GEOR	ON's LAB COORDINATOR		RDINATOR'S		• FAX (908		5 RDINATOR'S F						т						
						(909) 396-1455			LABOR	ATORY	SERVIC	EID	LABORATORY CONTACT					MAIL REPORT (COMPANY NAME)	
PROI	ECT NAME	(704	LOCATION	-766z		(709)	576-	1953		LABORATORY PHONE (904) \$70-7828			Jim Gin					By GEOFON, INC.	
Po	W. Williamson ect NAME: t Hueneme #1 ect contact	Ste	Back	AM /	Meriz	<u> </u>	64	ECT NUMBER	. 250	(904)	ATORY	PHONE 7	28	(909	ATORY I	FAX ?() - 1	498	•	RECIPIENT NAME Janaka Jayamaha ADDRESS 22632 Golden Springs Pr. #270 CITY. STATE AND ZIPCODE Diamond Bar, CA. 91765
PROJ	ECT CONTACT	PROJECT	THONE NUM	BER		PROJECT	AX	455		TAROR	ATORY	ADDRE	cc						ADDRESS
79,	ngka Jayamaha ECT ADDRESS	1909	396	(BER - 766) CODE	<u> </u>		<u>) 396- 1</u>	455		city, s Chia	⁷ 60	Mo	GRE	lla	Aug				22632 Golden Springs Pr. #270
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700	SVC - Sites 128823 ECT MANAGER	SOLL	Huen	eme,	CH	US /1	MANAGER'S	SWOIL	<u>~</u>	Chin	10,	CA		1110	- Kua		705)	<u> </u>	Diamond Bur, A. 91765
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	Dis	tributio	n: Whit	te - Labo	ratory (To be re	turned v	vith Ana	lytical R	eport);	Go	ldenr	od -	Proje	ct Fil	e; Y	ellow	/ - Pro	ject Data Manager

APPENDIX C	
NON-HAZARDOUS WASTE MANIFESTS AND WEIGHT	CERTIFICATES

IRP SITE 12B

200

SP44556 DC SPECIAL WASTE SERVICES__

A WASTE MANAGEMENT COMPANY

NH18409102

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

· · ·	
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
Y GENERATOR	ADDRESS 1000 23RD AVE EPA ID. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (825) 989-9258
	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
ETED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % 1 3 3
COMPLETED	24
BEC	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH Q SOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
EB	NAME Deubeste Transporter Hay 18. CANSESTISLES
TRANSPORTER I	NAME Deu beste Transporter Han ID CANSES SERVICE ORDER NO. SERVICE ORDER NO.
INSF	CITY, STATE, ZIP_Klendlar (2549)
TRA	PHONE NO. (500) 838-79) Out 15 Signature Out 15 Date PHONE NO. (500) 838-79) Out 15 Date
ITER	NAME LD.
	ADDRESS
TRANSPOF II	1 CITY, STATE, ZIP
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
·	EPA EPA
	NAME CHEMICAL WASTE MANAGEMENT-KHF NO. C A T 0 0 0 6 4 6 1 1 7 DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD
ACIL.	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO! (BOO)) 222-2964 COO USO OF 91102 TYPED OF BRINTED FULL NAME & SIGNATURE DATE
TS	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) TIME - DATE COMMODITY: HAZARDOL DEPUTY WEIGHWASTER GROSS: 40.16 ton 4-01-02 80320 16 TARE 11252 NET: 12=25 04/01/02 15.43 ton YARDAGE: GENERATOR PROFILE NO. MANIFEST TRACTOR LICENSE NO. RECEIPT # SPYYEGY

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyling Road Kettleman City, CA 186691

WEIGHMASTER CERTIFICATE

WLIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEICHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7.

(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

()

BROWN John L WIRDIL

NH 18669 202

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME						
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323						
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 989-9258						
GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 22.64 TONS						
BY GENI	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %							
COMPLETED	1							
BE COM	2							
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9:	3043						
	PROPERTIES: pH SOLID							
CC	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE						
TRANSPORTER I	ADDRESS 421 MARIN ST.	EAR 000 0 93 229						
NSP(CITY, STATE, ZIP . AVENAL CA - 93204	PICK UP DATE						
TRAI	PHONE NO. (SS9) 386-42.69 SIMON TAFO YA JULIUN TYPED OR PRINTED FULL NAME & SKONATURE	Jalaya 8 04-61-02						
TER	NAME	EPA I.D. NO.						
TRANSPORT II	ADDRESS	SERVICE ORDER NO.						
NSI I	CITY, STATE, ZIP	PICK UP DATE						
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE						
		EPA NO. CATQQQ646117						
	NAME CHEMICAL WASTE MANAGEMENT-KHF	NO. L. A. J. W. W. B. 4 B. 1 1 7 J. DISPOSAL METHOD						
Ę	ADDRESS 35251 OLD SKYLINE ROAD	XLANDFILL OTHER						
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239							
TSD FACILITY	PHONE NO (BOO)) 222-2964 TYPED ON PRINTED FULL NAME & SIGNATURE	411/07 DATE						
ř	GEN OLD/NEW L A TONS TRANS S B C/O RT/CD HWDF NONE							
İ	C/O RT/CD HWDF NONE							

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE. DEPUTY WEIGHMASTER 79900 lb 39.95 ton 13:28 04/01/02 34840 1b 17.42 ton YARDAGE: GENERATOR TRACTOR LICENSE NO. RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyline Road Kettleman City, CA 136692

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business: & Professions: Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Blu soil

DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH 18669302

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
i	ADDRESS 1000 23RD AVE	ID CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (305)939 4258
GENERATOR	CONTAINERS: No	Y weight/Tons 25.06 Tows
RE	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	3
ED BY	COMPONENTS OF WASTE PPM % COMPONE	NTS OF WASTE PPM %
COMPLETED	1 3	
OMP	2 4	
BEC	VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	3043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS:	· /
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-	har McCarel 4/1/2002
	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
TRANSPORTER I	NAME WHITES TRUCKING- ADDRESS 28839 FLOWEN PARK ON	EPA CAK 0000 969 17 SERVICE ORDER NO.
NSP.	CITY, STATE, ZIP : CANYON COUNTRY CA 9131-1	PICK UP DATE 4-1-07
TRA	PHONE NO. (661) 25 18157 MANUEL WHITE TYPED OR PRINTED FULL NAME & SIGNATURE	melho 4-1-02
TER	NAME	EPA ID
ORT	ADDRESS	I.D. NO. SERVICE ORDER NO.
NSP II	; CITY, STATE, ZIP	PICK UP DATE
TRANSPOR	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. NO. C A T 0 0 0 6 4 6 1 1 7 DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD	X LANDFILL □ OTHER
ACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (EQQ)) 222-2964 COCA CISH COCATIVE TYPED OR PRINTED FULL NAME & SIGNATURE	0AL 4/1/02
-	TRANS OLD/NEW L A TONS S B	
	C/O RT/CD HWDF NONE	

WEIGHT (LB) GROSS: 13:03 4-01 TARE: NET: YARD 38:38 04/01/02	TIME DATES	41.67 top	COMMODITY: HAZARDO	CHEMICAL WASTE MANAGEMENT, WEIGHMASTER weighed at 35281 Old Skyline Road Keffleman City, CA 186693 NO: WEIGHMASTER CERTIFICATE This is to certify that the following de commodity was weighed, measured, o by a WEIGHMASTER, whose signature is certificate, who is a recognized autho accuracy, as prescribed by CHAPTER; (commencing with § 12700) of Division the California Business & Professions administered by the Division of Measu Standards of California Department of and Agriculture.
GENERATOR V C	MANIFEST NH 186		ROFILE NO.	
TRACTOR LICENSE NO.	BIN #	F	RECEIPT #	 er en en en en en en en en en en en en en

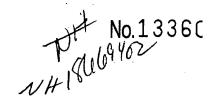
JN 3/03

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BROWN BROWN WIRONL

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971



		DAIA (OTIM
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT:	
TOR.	CONTAINERS: No. <u>闭闭1 DT</u> VOLUME/CY <u>闭闭闭1名</u>	V WEIGHT/TONIS 74.53 TONS
ERA	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
BY GENERATOR	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCE	
E		PPM %
COMPLETED	2	
BE CO	VOC-OVA READINGS	
10 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
•	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	hand McCarel A/1/2002
TRANSPORTER I	NAME SHAN QUINN	EPA I.D. AR AAAA 94.177
POF	ADDRESS 476 N. WAY FIELD ST	SERVICE ORDER NO.
IANS	(7) 3 1 1 1 2 1	PICK UP DATE (04/01/02
<u> </u>	PHONE NO. (7/4) 7710089 ALAN R. QUINN TYPED OR PRINTED FULL NAME & SIGNATURE	n R. Vaunn 04/01/02 DATE
TER	NAME	EPA I.D. NO.
SPOF II	ADDRESS	SERVICE ORDER NO.
TRANSPORT II	PHONE NO. ()	PICK UP DATE
Ė	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
`	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. NO. <u>C A T Ø Ø Ø 5 4 5 1 1 7</u> DISPOSAL METHOD
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD	. MLANDFILL OTHER
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (BOO) 222-2964 TYPED ON PRINTED FULL NAME & SIGNATURE	1/1/0z
¥	GEN OLD/NEW L A TONS TRANS S B	UAIE
	C/O RT/CD HWDF NONE	

TIME COMMODITY: HAZARDC ASTE DEFUTY WEIGHMASTER GROSS: 40.29 ton TAREGEOS 80580 lb GENERATOR MANIFEST PROFILE NO. NH18669402 NBVL 16373 TRACTOR LICENSE NO. RECEIPT # BIN #

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed at
35251 Old Skyline Road
Kettleman City, CA
136694

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Cloud

3/103 3VH3 BR 1310 PA

BROWN SOLL

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 -- No.1336(

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
	ADDRESS 1000 23RD AVE	EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 989-9258
BY GENERATOR	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	
COMPLETED	1	
BE COM	2	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA S	93043
•	PROPERTIES: pHQSOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	TYPED OR PRINTED FULL NAME & SIGNATURE	van McCarel 4/1/2002
ER	NAME _C+M TRUCKING	
TRANSPORTER I		SERVICE ORDER NO.
NSP.	CITY, STATE, ZIP, WHITTIER, CA. 90605	PICK UP DATE
TRA	PHONE NO. (314) 1/89-6847 SEPT BUIN TYPED OR PRINTED FULL NAME & SIGNATURE	
TER	NAME	EPA I.D. NO.
TRANSPOR	ADDRESS	SERVICE ORDER NO.
INSI	CITY, STATE, ZIP	PICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA
	NAMECHEMICAL WASTE MANAGEMENT-KHF	NO. CATOOO545117
Ē,	ADDRESS 35251 OLD SKYLINE ROAD	LANDFILL OTHER
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (BOO)) 222-2964 Cora OShuma Typed or Printed full name & signature	4/1/02
7	GEN OLD/NEW L A TONS TRANS S B	DALE
	C/O RT/CD HWDF NONE	`
}	DISCREPANCY	

WEIGHT (LB) TIME: - DATE COMMODITY: HAZARDO 1 DEPUTY_WEIGHMASTER GROSS: 4-01-02 80180 lb 13:15 40.09 top TARE: 17.20 tgi() YARDAGE: MANIFEST BIN # 18669502 PROFILE NO. NBVC LB TRACTOR LICENSE NO. RECEIPT # 9185203

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA 186695

ASTE

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WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counled by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN

JIC# SP44482

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18669602

No.13359

	HON HALANDOOD WADIL	JAIA BOINN
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805 1989-9258
BY GENERATOR	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPONENTS	
COMPLETED		ENTS OF WASTE PPM %
COMP	24	
BE	VOC-OVA READINGS	
် န	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
•	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	1) Lave Q 4/01/02
TRANSPORTER I	NAME (DC) 3857C	EPA (2009875/3632
PO I	ADDRESS 740 (ODOC LO	SERVICE ORDER NO.
RANS	PHONE NO. GO 838 1477 (1) 1CT FBrown 1 1) PICKUP DATE 4-1-02
	HEED OR PRINTED FULL NAME & SIGNATURE	DATE
TER	NAME	EFA - I.O.
TRANSPORT II	ADDRESS	SERVICE ORDER NO.
NSP(II	CITY, STATE, ZIP	PICK UP DATE
RA.	PHONE NO. ()	
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	CUTWISH LIGHT MANAGERS VIII	EPA I.D. NO. CAT 20 20 20 5 4 5 1 1 7
	NAME CHEMICAL WASTE MANAGEMENT-KHF	_ DISPOSAL MÉTHOD
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD	_ Nandfill O. other
ACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (600) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE	Ah 4/1/02
13	GEN OLD/NEW L A TONS	
	TRANS S B	

WEIGHT (LB) DATE TIME COMMODITY: HAZARDO ASTE CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA DEPUTY WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 13:18 80300 1b 40.15 ton TARE: 1 63737 RECEIPT # MANIFEST NH TRACTOR LICENSE NO. 684442

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BROWN SAMOT SOIL WIRDUL

BDC SPECIAL WASTE SERVICE

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

173 No.13359 NH 18669702

·	INDIT-HAZAHDOUS WASIL I	DAIA DONIN						
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME						
	ADDRESS 1000 23RD AVE	EPA I.D. C A 6 1 7 0 0 2 3 3 2 3						
COMPLETED BY GENERATOR	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805) 989-9258						
	CONTAINERS: No. <u>ผิเพิ่า DT</u> VOLUME/CY <u>ผิเพิ่ม ใ</u> ผิ	Y WEIGHT/TONS 25.47 Tows						
	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER							
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	3						
	COMPONENTS OF WASTE PPM % COMPONI	ENTS OF WASTE PPM %						
	1 3							
NOX FINE	2 4	· · · · · · · · · · · · · · · · · · ·						
BEC	VOC-OVA READINGS							
ξ	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043						
	PROPERTIES: pH Q SOLID							
٠.	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING							
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	1) Level 4/01/62						
E E	NAME Den Beste	EA CAO 582573 632						
TRANSPORTER I	1105 Coodia 1 10	SERVICE ORDER NO.						
ISN	CITY, STATE, ZIP. WINDSON, Ca	PICK,UP DATE						
	PHONE NO. (PW) \$38-1477 TOM WELL NAME & SIGNATURE	n held 4-1-02 DATE						
TER	NAME	EPA I.D. NO.						
TRANSPORT II	ADDRESS	SERVICE ORDER NO.						
ANS	CITY, STATE, ZIP	PICK UP DATE						
TR,	PHONE NO. (TYPED OR PRINTED FULL NAME & SIGNATURE	DATE						
		EPA NO. <u>CATØØØ545117</u>						
:	NAME CHEMICAL WASTE MANAGEMENT-KHF	NO. L. A. J. V. V. V. S. A. S. S. S. T. T. J. DISPOSAL METHOD						
<u></u>	ADDRESS 35251 OLD SKYLINE ROAD	LANDFILL OTHER						
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239							
TSD FACILITY	PHONE NO. (BOO) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE	h 4/1/07						
¥	GEN OLD/NEW L A TONS TRANS S B							
	C/O RT/CD HWDF NONE							
ŀ	DISCREPANCY	·						

	WEIGHT (LB) TIA	E DATE			COMMODITY: HAZA	RDI VASTE
GROSS:			Eastern.	1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	DEPUTY WEIGHMA	ASTER
TARBEIS	4-01-02	81860 lb	40.93 te	n A		
NET: 13=5		31420 lb l	11 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12 to 12	1 AROS	Frank San San San San San San San San San San	_Q _A
GENERATOR A	. VC	MANIFEST NH /	7669702	PROFILE NO.	3737	
TRACTOR LIC	CENSE NO.	BIN #		RECEIPT #	17055	,-

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of WEIGHMASTE MANAGEMENT WEIGHMASTER weighed of 35251 Old Skyllne Road Kettleman City, CA 186697

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$ 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN Spilot Sout WROW

DC SPECIAL WASTE SERVICES

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13360

NH18670002

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME			
	ADDRESS 1000 23RD AVE	EPA ID. NO. CA6170023323			
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT:	PHONE NO. (_\$05_)989-9258			
GENERATOR	CONTAINERS: No	WEIGHT/TONS 24.78 TONS			
1	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS				
BY	COMPONENTS OF WASTE PPM % COMPONENTS	NTS OF WASTE PPM %			
ETEC	1 3	<u> </u>			
COMPLETED	2 4				
В С	VOC-OVA READINGS	· · · · · · · · · · · · · · · · · · ·			
Э ТО ВЕ	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	043			
22	PROPERTIES: pH QSOLID				
R.	HANDLING INSTRUCTIONS:				
913	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	an (. Mc ardoy-01-07			
TRANSPORTER I	NAME SAKE SON TRUCKING	EPA CAR 000094797			
POF	ADDRESS 12368HATEY ST	SERVICE ORDER NO.			
ANS	CITY, STATE, ZIP : SUN Valley BAL 91352	PICK UP DATE			
	PHONE NO. 818) 512-3427 ANONG SACK SINGNICATA TYPED OR PRINTED FULL NAME & SIGNATURE	H-Swangar OU-0102			
TER	NAME	EPA I.D. NO.			
TRANSPOR II	ADDRESS	SERVICE ORDER NO.			
NNSI	CITY, STATE, ZIP	PICK UP DATE			
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE			
		EPA NO. CAT @ @ 0 6 4 6 1 1 7			
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD			
<u>Ł</u>	ADDRESS 35251 OLD SKYLINE ROAD	Vandfill □ other			
G	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	<u></u>			
TSD FACILITY	PHONE NO. (BOW)) 222-2964 COO UShwork 4/1/02 TYPED ON PRINTED FULL NAME & SIGNATURE				
TS	GEN OLD/NEW L A TONS				
	TRANS S B C/O RT/CD HWDF NONE	·			
	<u> </u>				

CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE COMMODITY: ASTE WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Foodand Agriculture. 83340 lb 4-01-02 13:33 TARE: 16.26 ton 32520 lb YARDALE 15 04/01/02 GENERATOR NO MANIFEST PROFILE NO. Nº 12670002 E03737 TRACTOR LICENSE NO. 9687706 BIN # RECEIPT # 706

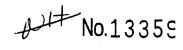
BAKY SON

35251 Old Skyline Road Kettleman City. CA

BROWN SOIL

Lict 5944536

BDC SPECIAL WASTE SERVICE --



766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18672202

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737				
	ADDRESS 1000 23RD AVE EPA 10 0 2 3 3 2 3 NO. C A 6 1 7 0 0 2 3 3 2 3				
1 20	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 805) 989-9258				
GENERATOR	CONTAINERS: No				
NER.	TYPE: ROLL-OFF DUMP TRUCK DRUMS CARTONS OTHER				
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS				
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %				
COMPLETED	3				
OM O	4				
BEC	VOC-OVA READINGS				
ρ	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043				
PROPERTIES: pH QSOLID					
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING				
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LAVA J. SEMELL HOUSE JOINT DATE LAVA J. SEMELL HOUSE JOINT DATE				
TER	NAME DENDESTE TRANS INC BANG CAC 982513632				
POF I	ADDRESS 7705 CONCE LANE SERVICE ORDER NO.				
TRANSPORTER I	CITY, STATE, ZIP 160, 1805 Ct. 95492 PICK UP DATE 14-1-02				
	PHONE NO. (600) 83.8-1477 Michael Clark Work DATE TYPED OR PRINTED FULL NAME & SIGNATURE DATE				
RTER	NAME				
	ADDRESS SERVICE ORDER NO				
TRANSPO II	CITY, STATE, ZIP				
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE DATE				
	NAME CHEMICAL WASTE MANAGEMENT-KHF				
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD				
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239				
TSD FACILITY	PHONE NO (800) 222-2964 (Box Der) Park 4-1-02				
TSI	GEN OLD/NEW L A TONS DATE				
	TRANS S B C/O RT/CD HWDF NONE				
	DISCREPANCY				

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE 4-01-02 11:18 81920 lb DEPUT WEIGHMASTER 40.96 ton GROSS: TARE: GENERATOR PROFILE NO. MANIFEST NH 186722 02 TRACTOR LICENSE NO. BIN # RECEIPT #

CHEMICAE WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Rood
Kettleman City, CA

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement. Standards of California Department of Food and Agriculture.

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SP4456Z

DC SPECIAL WASTE SERVICES - A WASTE MANAGEMENT COMPANY

No.133596

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18672602

	NON-HAZARDOUS WASTE DE			
		ROFILE#EB3737 ITE:SAME		
	ADDRESS 1000 23RD AVE) []]		
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 989-9258		
GENERATOR	CONTAINERS: No. <u>001 DT</u> VOLUME/CY <u>000018 Y</u> TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER			
B	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL-GENERATING PROCESS _ COMPONENTS OF WASTE PPM % COMPONENTS			
COMPLETED	1 3 2 4			
BE	VOC-OVA READINGS	K-7		
ք	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043 PROPERTIES: pH QSOLID			
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Land McCarl 4/1/2002		
ER	NAME DEN BUSTLE TRANS	PA CAO 982513632		
TRANSPORTER I	CITY, STATE, ZIP Windson CA	PLEK UP DATE 4/1/07		
TRA	PHONE NO. (80) 838-1477 Kicksond MORENTO FYPED OR PRINTED FULL NAME & SIGNATURE	DATE		
3TER	NAME	PA D. IO.		
SPOF	4	PICK UP DATE		
TRANSPORT II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE		
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. <u>C A T Ø Ø Ø 5 4 5 1 1 7</u> DISPOSAL METHOD		
<u>È</u>	, ··	LANDFILL COTHER		
ACIL	CITY, STATE, ZIP KETTLEMAN CITY. CA 93239	#11/02		
TSD FACILITY	PHONE NO (BØØ)) 222-2964 TYPED BRPAINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATÉ		
-	TRANS S B			
	C/O RT/CD HWDF NONE			

WEIGHT (LB) TIME COMMODITY: HAZARDO ASTE δΕΡυτ[‡] WEIGHMASTER GROSS: TARE 1:55 40.75 ton 81500 lb 4-01-02 16.15 ton NET; MANIFEST PROFILE NO. N4 18677602 TRACTOR LICENSE NO. BIN # REÇEIPT # 844562

1

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Lonkerte

3103 34H BB 1300

BROWN SOIL

BDC SPECIAL WASTE SERVICE

NO.13355

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE 100 CA 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (&S) 979 4158
GENERATOR	CONTAINERS: No
BY	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
E COMPLETED	1
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
ORTER	NAME Andres Senchez trucking EPA CAROUD 45580 ADDRESS 5033. Elizabeth SX
TRANSPORTER I	ADDRESS SOSS, OF ZABOTATION SERVICE ORDER NO. CITY, STATE, ZIP CUDABY (6) 90301 PHONE NO. (333) 79/84-10 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME DATE DATE DATE
PORT II	ADDRESS SERVICE ORDER NO
TRANSPOF II	PHONE NO. (
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE EPA
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD VANDFILL OTHER
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (BOO) 222-2964 COPA (Sha)OFH 4/1/07 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
+	GEN OLD/NEW L A TONS TRANS S B C/O RT/CD HWDF NONE

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at WEIGHT (LB) TIME DATE COMMODITY: HAZARDE ASTE 35251 Old Skyline Road DEPUTY/WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE 87520 lb 43.76 ton WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with 8 12700) and Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 4-01-02 11:56 TARE: 33580 lb NET: 12:25 04/01/02 GENERATOR MANIFEST PROFILE NO. 18672702 EB3 NI TRACTOR LICENSE NO. BIN # RECEIPT # 9084112

> 3/03 34 RA

BROWN SOLL W/KOUL

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

No.13359

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18672902

Lic. #

NON-HAZARDOUS WASTE DATA FORM 9886416 NAVAL BASE VENTURA COUNTY ROFILE#EB3737 SITE: SAME ADDRESS 1000 23RD AVE CA6170023/323 CITY STATE ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (205) 989-9250 GENERATOR 201 DT VOLUME/CY 20018 Y WEIGHT/TONS 24,46 TONY CONTAINERS: No. ___ ROLL-OFF DUMP DRUMS CARTONS OTHER TYPE: WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS _ 2 COMPONENTS OF WASTE COMPONENTS OF WASTE COMPLETED VOC-OVA READINGS **BE** 1000 23RD AVE 2 PORT HUENEME. CA 93043 SITE ADDRESS □SOLID □LIQUID □SLUDGE □SLURRY □ OTHER _ USE PROPER PPE DURING HANDLING HANDLING INSTRUCTIONS: THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TRANSPORTER CAROOCO 45886 SERVICE ORDER NO. _ TYPED OR PRINTED FULL NAME & SIGNATURE **FRANSPORTER** SERVICE ORDER NO. ___ CITY, STATE, ZIP_ PICK UP DATE _ PHONE NO. TYPED OR PRINTED FULL NAME & SIGNATURE DATE NO. CAT000646117 NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD ADDRESS 35251 OLD SKYLINE ROAD SD FACILITY XLANDFILL OTHER ___ CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO(<u>6</u>00)) 222-2964 OR PRINTED FULL NAME & GEN OLD/NEW **TRANS** S C/O RT/CD NONE

WEIG	CHT (LB) TIME	<u>DATE</u>		<u>CO</u> 1	MODITY: HAZARDO
GRO\$2 20 5	4-01-02	81180 16	40.59 to	n *	DEPUTY WEIGHMASTER
	All and the second of the seco		endrik (d. 1800) Politikaria	199	
TARE: 12=39 0	4/01/02 32	800 Ib 16	.40 ton	10	
YARDAGE:			18	(4d/4)	B-
GENERATOR	VC	MANIFEST NH 186	072500	PROFILE NO.	3737
TRACTOR LICENS	6 H//a	BIN #	Succession .	RECEIPT #	30
	V HY	>			

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of 35251 Old Skyllne Road Kettleman City, CA 186729

ASTE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

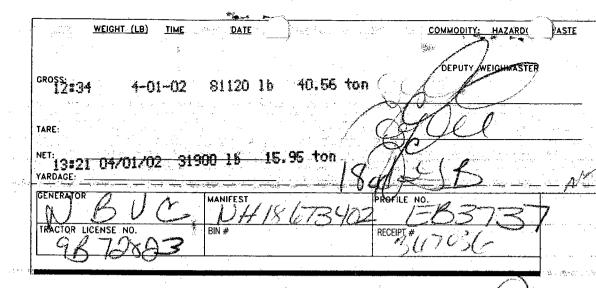
BRN SOIL

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13360

	MON-MAZANDOUS WASTE DATA FORM	
 - 	NAVAL BASE VENTURA COUNTY PROFILE#EB3737	
	ADDRESS 1000 23RD AVE CA 6 1 7 0 0 2 3 3 2 3	$] \mid$
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 125799-9258	
GENERATOR	CONTAINERS: No. <u>201 DT</u> VOLUME/CY <u>200218 Y</u> WEIGHT/TONS 24.72 76~	<u>.</u>
ENER	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	-
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %	
COMPLETED	3	.
OMI	2	.
BEC	VOC-OVA READINGS	.
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
÷	PROPERTIES: pH ÇSOLID	
. *	HANDLING INSTRUCTIONS: USE PROPER FPE DURING HANDLING	
	THE CENEDATOR CERTIFIES THAT THE	
	WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE THE GENERAL OF CARCILLONG AND CARCILL	COZ
TRANSPORTER I	NAME R FLORES TRKG	
POF I	ADDRESS 3816 ARTIMUS CT SERVICE ORDER NO.	
ANS	CITY, STATE, ZIP 1 KAKERSFISCD (4 PICK UP DATE 04-01-02	
ቪ	PHONE NO. (661) 834-7396 ROSELIO FICRES Regal M. 04-01-0 TYPED OR PRINTED FULL NAME & SIGNATURE DATE)才
TER	NAMEEPA	
TRANSPORT II	ADDRESSSERVICE ORDER NO	
INSI	CITY, STATE, ZIP PICK UP DATE	
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
		\dashv
	NAME CHEMICAL WASTE MANAGEMENT-KHF ROO. C A T 0 0 0 5 4 5 1 1 7 DISPOSAL METHOD	
Ę	ADDRESS 35251 GLD SKYLINE ROAD MILANDFILL OTHER	
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (AOD) 222-2964 COOR UShusorth TYPED OF PRINTED FULL NAME & SIGNATURE	\$
ř	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	



CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyllne Road
Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BRW 501/

DC SPECIAL WASTE SERVICES WAY A WASTE MANAGEMENT COMPANY

No.13360

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18673502

		OFILE#EB3737
	ADDRESS 1000 23RD AVE	C.A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93/043 CONTACT:	PHONE NO. 1 805, 989-9258
GENERATOR	CONTAINERS: No	
COMPLETED BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF TAXABLE PPM % COMPONENTS OF TAXABLE PPM % S	
ш	2	
O B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	3
	PROPERTIES: pH OSOLID	Johan Mc and 4/1/2002
TRANSPORTER I	ADDRES 2445 Nan of St. #1	Cal 000 217084 WICE ORDER NO. CIP DATE 04/01/02 DATE
<u>.</u>	EPA EPA	T.
TRANSPORTE II	•	VICE ORDER NO
		CAT000645117
TSD FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD ANDFILL OTHER

WEIGHT (LB) TIME DATE

COMMODITYS HAZARD(

WEIGHMASTER Weighed of State) INSTANCE WEIGHMASTER Weighed and State) INSTANCE WEIGHMASTER Weighed Rood Keftlemon City, CA.

12º36 4-01-02 79840 Ib 39.92 ton

TARE:

NET:

13º23 04/01/02 31120 Ib 15.56 ton

YARDAGE:

WEIGHMASTER Weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized culturity of accuracy, as prescribed by Chafter 7 of accuracy, as prescribed by a WEIGHMASTER, whose signature is on this certificate, who is a recognized culturity of accuracy, as prescribed by a WEIGHMASTER.

NET:

13º23 04/01/02 31120 Ib 15.56 ton

YARDAGE:

WANIFEST

PROTIVE NO.

RECEIPT #

RECEIPT #

RECEIPT #

RECEIPT #

RECEIPT #

3103 304 BR 1250 CA

BRUSSIT

BDC SPECIAL WASTE SERVICE

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702-(626) 969-1384 • FAX (626) 969-4971

Γ	NON-HAZARDOUS WAS IE	<u>DAIA FORM</u>
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	NO. CA61700 23323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (25) 489-4258
GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 22.69 Tons
BY	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCE	ESS
COMPLETED		
OMPL		
BE CC	VOC-OVA READINGS	
ဠ	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-	Shan McCard 41/20
OC.	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
TRANSPORTER I	NAME CEM trucking	_ NO. CAR 000093385
NSP I	CITY, STATE, ZIP Whittier in 90605	SERVICE ORDER NO.
	PHONE NO. (310) 489-6842 ARMANDO Rodriguez. TYPED OR PRINTED FULL NAME & SIGNATURE	Granda Rowing 4-1-02
TER!	NAME	EPA I.D. NO.
TRANSPORT II	ADDRESS	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP	PICK UP DATE
E	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAMECHEMICAL WASTE MANAGEMENT-KHF	EPA NO. CATØØØ645117
<u>}</u>	ADDRESS 35251 OLD SKYLINE ROAD	- DISPOSAL METHOD
CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (800)) 222-2964 COOR OShu V	2011/ S 4/1/02
<u>1</u> 2	GEN OLD/NEW L A TONS	DATE
	TRANS S B C/O RT/CD HWDF NONE	
- 1		

<u>w</u> i	IGHT (LB) TIME	DATE		COMMODITY:	HAZARD	VASTE
					/FIO.III.4 075D	
GROS2247	4-01-02	79440 lb	39.72 tor		EIGHNASTER	
	The state of the s			THI		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
TARE: NET: 13125	04/01/02 34	340 lb 17.	17 ton /		var	
YARDAGE:	The state of the s			Stade -	1>_	N'
GENERATOR	1BUC.	MANIFEST	72907	PROFILE NO.	= -	
TRACTOR LICE	ISE NO.	BIN #		RECEIPT #		A CONTRACT
457	5007	1		1.6/19		

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of 35251 Old Skyllne Road Kettleman City, CA 186739

WEIGHMASTER CERTIFICATE

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This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BRIU Sail

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13359

COMPLETED BY GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA NO. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 1805 1989-9258
	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	2
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH Q SOLID UQUID USLUDGE USLURRY UOTHER
-	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
RTER	NAME JJ PEREL & SONS TEN BOCAL 000209450
SPOI I	ADDRESSSERVICE CAREFULL 988286
TRANSPORTER I	CITY, STATE, ZIP : STOCK TO17 CH: PICKUPDATE 040102 PHONE NO. 209 6015893 DEGENCE - Daniel Jones
	TYPE OR PRINTED FULL NAME & SIGNATURE DATE
RTER	NAME EPA LD LD NO.
TRANSPOF II	ADDRESS SERVICE ORDER NO
ANS	CITY, STATE, ZIP PICK UP DATE
H	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
È	ADDRESS_35251 OLD SKYLINE ROAD CLANDFILL OTHER
CIC	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (β@@)) 222-2964 Capra ashuxath = 4/1/02
TSI	GEN OLD/NEW L A TONS TYPED OF PRINTED FULL NAME & SIGNATURE DATE DATE
	TRANS S B
ļ	C/O RT/CD HWDF NONE

WEIGHT (LB) TIME DATE COMMODITY: HAZARD ASTE DEPUTY WEIGHMASTER 40.48 ton 90960 lb 4-01-02 TARE: MANIFEST PROFILE NO. TRACTOR LICENSE NO. BIN #

CHEMICAL WASTE MANAGEMENT, INC.

WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA 186740

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Bansal.

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13361

NH180>4702

	The state of the s	
GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737	
	SITE: SAME ### SITE: SAME ### CA 6 1 7 0 0 2 3 3 2 3	\neg
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (25)929-9258	
	CONTAINERS: No	<u>S</u>
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %	_ -
COMPLETED	3	_
	2	- .
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	Ē
	PROPERTIES: pH GSOLID GEUDGE SLURRY OTHER	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. SIEPHAN (MC ARCL SIGNATURE) TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
TER	NAME C. J. M. +ROKING. EPA CAROUDO 93385	 7
SPOR	ADDRESS 4543 LA SIERIKI AU SERVICE ORDER NO.	_
TRANSPORTER I	PHONE NO. 626) 797 0537 (1111 112) PICK UP DATE OUT OF OUT	-
TER T	TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
	NAME]
TRANSPOF II	SERVICE ORDER NO CITY, STATE, ZIP PICK UP DATE	-
TRA	PHONE NO. ()	-
	NAME CHEMICAL WASTE MANAGEMENT-KHE NAME CHEMICAL WASTE MANAGEMENT-KHE NO. CATOOGS 46117	\exists
>	DISPOSAL METHOD	1
등	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	-
TSD FACILITY	PHONE NO (800)) 222-2964 Com a askingh = 4/1/07	
TSI	GEN OLD/NEW L A TONS TRANS S B	-
	TRANS S B C/O RT/CD HWDF NONE	
		i

CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE WEIGHMASTER weighed at 35251 Old Skyline Road DEPUTY WEIGHMASTER 40.45 ton 13:47 GROSS: 80900 16 4-01-02 WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a reaconized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: 17.89 ton YARDAGE: GENERATOR MANIFEST PROFILE NO. NH 18674702 NB E 6373 TRACTOR LICENSE NO. BIN # RECEIPT # 9645705

Telix

3/03 3UH BIS 1357 0A

BROWN SOIL W/ROCK

No.13362

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

TAB23749

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 NH1867480

	NAVAL BASE VENTURA COUNTY NAME PROFICE#EB3737 SITE: 99ME
GENERATOR	ADDRESS 1000 23RD AVE EPA LD C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (805979-9258
	CONTAINERS: No
NEA	TYPE: GOLL-OFF DUMP DRUMS CARTONS OTHER
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
l E	3
COMPLETED	2
BE C	VOC-OVA READINGS
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-
	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TRANSPORTER I	NAME GAYSIDE SONS IPA CALOROZ31345
POGI	ADDRESS 7500 ROSedale HWY SERVICE ORDER NO. 300
ANS	CITY, STATE, ZIP BAKEYSTIEL LA
<u>-</u>	PHONE NO. (161) 496-3162 DOMENS 4-1-02 TYPED OF PRINTED FULL NAME & SIGNATURE DATE
TER	NAME
POR II	ADDRESS SERVICE ORDER NO
TRANSPOF II	CITY, STATE, ZIP PICK UP DATE
Ŧ,	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF
Ϋ́	ADDRESS 35851 OLD SKYLINE ROAD XLANDFILL COTHER
ACII	CITY, STATE, ZIP KETTLEMAN CITY. CA 93239
TSD FACILITY	PHONE NO (BOO)) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE OATE
ř	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
į	Diagramus

WEIGHT (LB) TIM	E DATE	COMMODITY: HAZARDI VA	ASTE
GROSS 4-01-0	2 84660 lb 42.	33 ton DEPUTY WEIGHMASTER	
TARE: NET: 14#34 04/01/02	30160 lb 15.08	ton All I	<u></u>
YARDAGE:		1000	<u>'</u>
NBUC	MANIFEST / STOT	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

7

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed at
35251 Old Skyline Road
Kettleman Cily.

35251 Old Skyllne Road Kettleman City, CA 136748

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

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Short C

3/03 3/H BR 14/04

BROWN SOIL WIROUL

BDC SPECIAL WASTE SERVICES WWW. A WASTE MANAGEMENT COMPANY

No.13

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18674902

		DATA I OTTIVI
BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE EB3737
	ADDRESS 1000 E3RD AVE	SITE:SAME ID. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	
	CONTAINERS: No	Y WEIGHT/TONS _ 24.94 Tows
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROC	ESS
ETED	1 3	ONENTS OF WASTE PPM %
COMPLETED	2 4	
BEC	VOC-OVA READINGS	
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH SOLID	
!	HANDLING INSTRUCTIONS:USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Splant Mclar 4/1/2002
TER	NAME GASSIDE ESON Trucking.	DATE EPA A 44
TRANSPORTER I	ADDRESS 7500 ROSE dek Huy	EFA CAL-000231345
NSI	CITY, STATE, ZIP , BOKEYS FIRI J- CA	SERVICE ORDER NO
TR/	PHONE NO. (661) - 496-3/67 Superil 24-7-66.	Gabriel GUTIENEZ 04-01-02
TER	TYPED OR PRINTED FULL NAME & SIGNATURE NAME	EPA I.D.
	ADDRESS	NO. [
NSP II	CITY, STATE, ZIP	SERVICE ÓRDER NO.
TRANSPOF II	PHONE NO. ()	PICK UP DATE
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
·	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA ID. NO. CATØØØ545117
Ĕ,	ADDRESS 35251 OLD SKYLINE ROAD	DISPOSAL METHOD LANDFILL OTHER
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	JASSIMIE BOINER
	PHONE NO. (800) 222-2964 TYPED IN PRINTED FULL NAME & SIGNATURE	gh = 4/1/02
<u> </u>	GEN OLD/NEW L A TONS TRANS S B	DATE
	C/O RT/CD HWDF NONE	

DATE WEIGHT (LB) TIME COMMODITY: HAZARDO 40.51 ton DEPUTY WEIGHMASTER GROSS: 44 4-01-02 81020 16 TARE: NET: 15.21 ton 30420 lb PROFILE NO. MANIFEST 4102 NH 1867 TRACTOR LICENSE NO. BIN # RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

ASTE

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

3/03

BROWN Some WIRDER

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18675002

		<u> </u>					
GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME					
	ADDRESS 1000 23RD AVE	EPA I.D. C A 6 1 7 0 0 2 3 3 2 3					
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 989-925D					
	CONTAINERS: No						
GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES						
D BY	001/001/51/50 05 11/1055	ENTS OF WASTE PPM %					
COMPLETED	1 3						
Σ	2 4	<u> </u>					
BE CO	VOC-OVA READINGS						
10 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	3043					
-	PROPERTIES: pH SOLID						
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING						
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	al Acarel 4/1/2002					
TRANSPORTER I	NAME CASPINITES TRANS-	EPA CA 1000107367					
O. J	ADDRESS 14705 DOBBS AVC						
NSI .	CITY, STATE, ZIP_, BAKES FEILL CA.	PICK UP DATE 4-1-02					
TRA	PHONE NO. 66/) 588-7355 Rodnes Carpenter. Typed or Printed Full Name & Signature	Roomy Cospety 4-1-02					
RTER	NAME	EPA I.D. - NO.					
OR	ADDRESS	SERVICE ORDER NO					
II	CITY, STATE, ZIP	PICK UP DATE					
TRANSPO II	PHONE NO. ()	PICK OF DATE					
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE					
		EPA I.D. No. CATOOO546117					
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD					
Ë	ADDRESS_35251 OLD SKYLINE ROAD	LANDFILL OTHER					
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239						
	PHONE NO (1900) 222-2964 CONTRIBUTE FULL NAME & SIGNATURE	4/1/02					
<u>۲</u>	GEN OLD/NEW L A TONS						
	TRANS S B RT/CD HWDF NONE						
1	DISCREPANCY						

COMMODITY: HAZARDO DATE WEIGHT (LB) TIME /ASTE DEPUTY WEIGHMASTER GROSS: TARE 3=59 4-01-02 39.96 ton NÈT: 15.03 tol SEL YANG 32 04/01/02 32060 lb GENERATOR PROFILE NO. MANIFEST NH NBVC 18675002 BIN # RECEIPT # TEMP 00

CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyline Rood Keitleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN SOIL WIKOUL

NH18675102

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _SITE:SAME
	ADDRESS 1000 23RD AVE	I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 989 9258
ATOR	CONTAINERS: No.	
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	s
ED BY	COMPONENTS OF WASTE PPM % COMPONE	ENTS OF WASTE PPM %
LET	1 3	· · · · · · · · · · · · · · · · · · ·
COMPLETED	2 4	<u> </u>
BEC	VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS:	A CARL
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Sprand, NC(Nol 4/1/202)
IER	NAME Christer Russell	EPA CARDOD 103 804
TRANSPORTER I	ADDRESS 7601 Stone Rioken Owe	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP Bakerfuld Co	PICK UP DATE 4/1/02
TR,	PHONE NO. () 66 448 41 TYPED OR PRINTED FULL NAME & SIGNATURE) 4/1/02
RTER	NAME	EPA I.D. - NO.
	ADDRESS	SERVICE ORDER NO.
TRANSPO II	CITY, STATE, ZIP	PICK UP DATE
TRA	PHONE NO. (TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA NO. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
LITY	ADDRESS 35251 OLD SKYLINE ROAD	. ØLANDFILL □ OTHER
ACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (800) 222-2964 TYPED ON PRINTED FULL NAME & SIGNATURE	4/1107 DATE
ř	GEN OLD/NEW L A TONS TRANS S B	
. ,	C/O RT/CD HWDF NONE	

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO DEPUTY WEIGHMASTER GROSS: 14:05 4-01-02 79440 lb 39.72 ton TARE: 16.29 ton YARDAGE: GENERATOR NU 18675/02 NBVL JRACTOR LICENSE NO. RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyllne Road Kettleman City, CA 186751

ASTE

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to cartify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose algnature is on this cartificate, who is a recognized authority of accuracy; as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code; administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN SOIL

BDC SPECIAL WASTE SERVICE. A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13361 NH18675702

BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE EB3737 SITE: SAME
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. () 957 989-92 58
	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPON	SENTS OF WASTE PPM %
LETED	1	· · · · · · · · · · · · · · · · · · ·
COMPLETED	24	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3Ø43
F	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Had McCard 4/1/2002
TER	NAME CAILOS BAILES	EPA 1.D. CAR000108 Q05
TRANSPORTER I	ADDRESS	SERVICE ORDER NO.
TRAN	PHONE NO. CANLES 4-0924 Daily Baires TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATE <u>04-01-02</u> 04-01-02
RTER	NAME	EPA I.D. NO.
SPOR II	ADDRESS	SERVICE ORDER NO.
TRANSPOF II	PHONE NO. ()	PICK UP DATE
	TYPED OR PRINTED FULL NAME & SIGNATURE	EPA ID.
TSD FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF	NO. CAT 2 2 2 6 4 6 1 1 7 DISPOSAL METHOD
	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	SLANDFILL OTHER
D FA	PHONE NO (BOD)) 222-2964 TYPED OR FRINTED FULL NAME & SIGNATURE	9h = 4/1/02
TS	GEN OLD/NEW L A TONS TRANS S B	DATE
ŀ	C/O RT/CD HWDF NONE	

WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDI VASTE
14=21 4-01-02 GROSS:	81720 kb 40.86 to	n DEPUPY WEIGHMASTER
	740 lb 16.37 ton	SOFOE No
TARE:	7.2	\$10 - 1.
YARDAGE:		10104) - L SEL
TRACTOR LICENSE NO.	MANIFEST NH 18 5 75 2 02	PROFILE AND.
9893516		2/17074

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 136752

graphic sec

0

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN SOIL WIRDUL

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NO.13362 NH 8075307

·		
GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93Ø43 CONTACT:	PHONE NO. (\$\sigma 65) 981-92-\$
	CONTAINERS: No	
GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	ss
red BY		IENTS OF WASTE PPM %
COMPLET	2 4	
BE C	VOC-OVA READINGS	
10	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH QSOLID LIQUID SLUDGE SLURRY OTHER	
·	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Mc/a/X 4/1/2002
TER	NAME CESATTryllo CAMTricking	EPA 10. Car 000093385
TRANSPORTER I		SERVICE ORDER NO.
IANS		PICK UP DATE
	PHONE NO. 560 697-6572 (SATIVILL) TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
3TER	NAME	EPA I.D. NO.
SPOI	•	SERVICE ORDER NO.
TRANSPOR	PHONE NO. ()	PICK UP DATE
F	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. C A T ② ② Ø 6 4 5 1 1 7
È	ADDRESS 35251 OLD SKYLINE ROAD	_ NETHOD
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (BOO) 222-2964 COO (Shape) TYPEDOR PRINTED FULL NAME & SIGNATURE	4/1/02 DATE
ř	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	

COMMODITY: HAZARDI WEIGHT (LB) TIME DATE DEPUTY WEIGHMASTER GROSS = 27 4-01-02 79900 lb 39.95 ton TARE: 17.68 ton 15:29 04/01/02 35360 lb A YARDAGE: GENERATOR MANIFEST PROFILE NO. EB377 302 TRACTOR LICENSE NO. BIN # RECEIPT # 9158702

CHEMICAL WASTE MANAGEMENT, INC.

WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 186753

WEIGHMASTER CERTIFICATE

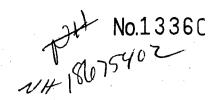
WEIGHMASTER CERTIFICATE

This is to certify that the following described commodify was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN Soil

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971



	MONTIALANDOGG WAGIL	DAIAIONIII
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SANE
	ADDRESS 1000 23RD AVE	EPA C A 6 1 7 Ø Ø 2 3 3 2 3
-	CITY, STATE, ZIP PORT HUENEME, CA 93/043 CONTACT:	PHONE NO. (205989-9258
GENERATOR	CONTAINERS: No	
GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SQILGENERATING PROCE	
BY	l	NENTS OF WASTE PPM %
COMPLETED	1 3	
ОМР	2 4	
BE C	VOC-OVA READINGS	
<u>6</u>	SITE ADDRESS 1000 23PD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	4 0 100
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Span Mc (ar 1 4/1) 200
E E	NAME BORICUA TRANSPORT	EPA CAR000093237
ORT	ADDRESS _ 7.0 /30 x /68/	SERVICE ORDER NO.
NSP I	CITY, STATE, ZIP, FRA/ZER PARK (CA) 93225	PICK UP DATE 4-1-02
TRANSPORTER I	PHONE NO. (661) 978.9862 AIBERT W. RIVERS /M/-	1-1-02
ĒR	NAME NAME	EPA DATE
)RTI	ADDRESS	— NO. [
ISP(CITY, STATE, ZIP	
TRANSPORI II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATE
	THE SHITTING DELIVER & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. C A T Ø Ø Ø 6 4 5 1 1 7 DISPOSAL METHOD
Ę	ADDRESS 35251 OLD SKYLINE ROAD	_ MANDFILL OTHER
Ş	CITY, STATE, ZIP KETTLEMAN CITY, CA 93233	· ·
TSD FACILITY	PHONE NO. (600) 222-2964 (Shubout TYPED OF PRINTED FULL NAME & SIGNATURE	Th 4/1/02
TS	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
		· · · · · · · · · · · · · · · · · · ·

WEIGHT (LB) TIME DATE -COMMODITY: HAZARDO DEPUTY WEIGHMASTER GROSS: 14818 TARE: 41.11 ton 4-01-02 15.81 ton /2 33620 lb GENERATOR MANIFEST NBVL NF 186751102 183 TRACTOR LICENSE NO. BIN # RECEIPT # 9613450

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER Weighed of

ASTE

35251 Old Skyline Road Kettleman City. CA

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose algnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER.7. (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN SOIL WROLL



766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18675602

	NAVAL BASE VENTURA COUNTY NAME PROF/LE#EB3737 SITE: SAME
	ADDRESS 1000 23RD AVE 1.D. C A 6 1 7 0 0 2 3 3 2 3
; 	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (\$05987-9258)
GENERATOR	CONTAINERS: No
BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
ETED	3
E COMPL	24
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH GOLID UQUID USLUDGE USLURRY UOTHER
	HANDLING INSTRUCTIONS:
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
3TER	NAME Benjonin Avilo EPA CARDOO 109389
SPOI I	ADDRESS 1057 W 77# 5 # SERVICE ORDER NO
TRANSPORTER I	PHONE NO. (318) 901-4800 BCNUMIN AVI) BRANDIN AVIUM TYPED OR PRINTED FULL NAME & SIGNATURE DATE
rer	NAME
PORT	ADDRESS SERVICE ORDER NO
TRANSPOF II	CITY, STATE, ZIPPICK UP DATE
TR	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA I.D. CATOOO645117 DISPOSAL METHOD
F	ADDRESS 35251 OLD SKYLINE ROAD CANDFILL OTHER
CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839
TSD FACILITY	PHONE NO. (BOO) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE DATE
 	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE

					4	
	WEIGHT (LB) TIME	DATE'S)	COMMODITY	VASTE	CHEMICAL WASTE MANAGEMENT, IN
15=34	4-01-02	82700 lb	41.35 ton			WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
		the state of the state of		DEPUTY WEIGHMASTER	t ()	126756
GROSS:		<u>\$</u> -	en en en en en en en en en en en en en e		. * % *	NO: WEIGHMASTER CERTIFICATE
		and the second second				This is to certify that the following des
TARE:	$\label{eq:continuous_problem} \mathcal{L}_{ij} = \frac{\partial \mathcal{L}_{ij}}{\partial x_i} + \frac{\partial \mathcal{L}_{ij}}{\partial x_j} + \frac{\partial \mathcal{L}_{$		•	all s		by a WEIGHMASTER, whose signature is certificate, who is a recognized authori
NET FE 1 F	04/01/02 3	4880 lb 17.	44 ton	Chr.	<u></u>	accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division the California Business & Professions C
		na ana ana ana ana ana ana ana ana ana 	XYa	x (S	(1 Din	administered by the Division of Measur Standards of California Department of
YARDAGE:		رے ریخ مشین ہیلینں البیان البیان البیان البیان البیان البیان البیان البیان البیان البیان البیان البیان البیان		- f - f - f - f - f - f - f - f - f - f	4_4	and Agriculture.
GENERATOR	11	MANIFEST		PROFILÉ NO.		
NO		NF 186	71,602	E63737		
TRACTOR LIC	ENSE, NO.	BIN #		RECEIPT #]	
1 -000	3 6 4 \$					*
1 2				<u> </u>	†	a tarabas a sara a la la la la la la la la la la la la

367094

Benjamin Avila

3/03 3/4 BB

BROWN SOIL WIRDLY

No.13362

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

N4/18675702

		DAIA I ORUI
ETED BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SBMF
	ADDRESS 1000 23RD AVE	EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (255 929 4252)
	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	· .
E COMPLETED	2 4	
0 8	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
	PROPERTIES: pH SOLID	Sphanl- Nr Carl 4/1/2002
ORTER	NAME L&S TRUCKING ADDRESS	EPA CAL000240049
TRANSPORTER I	CITY, STATE, ZIP 1 NORWALK CA PHONE NO. (562) 244-6128 CARLOS A CATTRO	SERVICE ORDER NO
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
ORTER	ADDRESS	EPA I.D. NO. SERVICE ORDER NO.
TRANSPOR II	CITY, STATE, ZIP	PICK UP DATE
TRA	PHONE NO. (TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
<u>}</u>	NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	EPA LO CATOO O G 4 6 1 1 7 DISPOSAL METHOD CANDFILL OTHER
ACIL FCIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	1,20
TSD FACILITY	PHONE NO. (BOO)) 222-2964 TYPED OR PRINTED FUEL NAME & SIGNATURE	Bach 4-1-07
<u>T</u>	GEN OLD/NEW L A TONS TRANS S B C/O RT/CD HWDF NONE	
	······································	

WEIGHT (LB) COMMODITY: HAZARDO DEPUTY WEIGHMASTER 81520 lb GRO\$5#29 4-01-02 40.76 ton TARE: NET: 16#37 04/01/02 17.03 ton 34060 lb YARDAGE: GENERATOR MANIFEST NH1X675 63737 RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyllne Road
Kettleman City, CA

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy; as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.

carlos LBS

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3/03 3/4 \$18 3/8

BROWN SIL

BDC SPECIAL WASTE SERVICE A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13362 ptt/86)5802

1	MOUOL BOSE HENTING GOLDEN
GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (805) 989-9258
	CONTAINERS: No
Æ	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
LET	1
COMPLETED	24
BE	VOC-OVA READINGS
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID UQUID USLUDGE USLURRY UOTHER
	HANDLING INSTRUCTIONS: USE PROPER PRE DURING HANDLING
·	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. SICHAN C. Mc (ARL TYPED OR PRINTED FULL NAME & SIGNATURE) TYPED OR PRINTED FULL NAME & SIGNATURE
TRANSPORTER I	NAME L&S Truckins EPA CAL 000240049
POR I	ADDRESS 1 CAAC DEL DIO
ANS	CITY, STATE, ZIP: WORWALK CA 90650 BICK UP DATE 4-1-2007
Ä.	FROMENO SOCIAL CONTRACTOR ACCORDING
E .	TYPED OR PRINTED FULL NAME & SIGNATURE DATE NAME
	NAMEEPA I.D. NO
NSP []	SERVICE ORDER NO
IRANSPO	PHONE NO. (
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF
È	ADDRESS 35251 OLD SKYLINE ROAD DISPOSAL METHOD
ACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (800) 222-2964. (2000) 222-2964. (2000) (
ř	GEN OLD/NEW L A TONS TRANS OLD/NEW L A TONS DATE
	C/O RT/CD HWDF NONE
	DISCOURANCE

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skyline Road
Kettleman City, CA

VASTE.

136758

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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3/03

BROWN SOIL

766 S. AYON AVE. • AZUSA, CA 91702

No.133626

NH18676102

(626) 969-1384 • FAX (626) 969-4971 NON-HAZARDOUS WASTE DATA FORM

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME
	1000 23RD AVE	ID. CA6170023323
•	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 305,989 4258
GENERATOR	CONTAINERS: No	
COMPLETED BY GENE	WASTE DESCRIPTION NON_HAZ_PCB_CONTAMINATED_SOIL_GENERATING PROCES COMPONENTS OF WASTE PPM % COMPONI 1	
ве со	VOC-OVA READINGS	
TO E	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	
	PROPERTIES: pH QSOLID	· · · · · · · · · · · · · · · · · · ·
	HANDLING INSTRUCTIONS: THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON- WASTE AS DESCRIBED IS 100% NON-	Stephan McCord 4/1/2002
	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
TER	NAME LEH CONSULTING MC	•
SPOI	CITY STATE ZIP Santa Paula Ca 93060	
TRANSPORTER I	PHONE NO. (\$\frac{1}{20}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\$\frac{1}{5}\$\	PICK OF DATE -4/1/07 DATE
E E	NAME	EPA I.D. - NO.
PORT	ADDRESS	SERVICE ORDER NO.
TRANSPOR	CITY, STATE, ZIP	PICK UP DATE
TR∕	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. <u>C A T Ø Ø Ø 6 4 6 1 1 7</u> DISPOSAL METHOD
≧	ADDRESS 35251 OLD SKYLINE ROAD	Valandfill □ other
CIL	CITY STATE, ZIP KETTLEMAN CITY, CA 93239	11.12
TSD FACILITY	PHONE NO. (600) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE	(3h 9/1/02) DATE
TS	GEN OLD/NEW L A TONS	
	TRANS S B C/O RT/CD HWDF NONE	

			
WEIGHT (LB)	JIME DATE	COMMODITY:	HAZARDI VASTE
16=02 4-01	Mark the second	.08 ton / DEPUTY WE	IGHMASTER
GROSS:		Shine	0.
			7
TARE:		0104	n
NET 16:34 04/01/02	31880 lb 15.94 1	ton A	
YARDAGE:		18/1/18/18	
GENERATOR	MANIFEST	PROFILE NO.	
NBVC	NH 1867 Hm	F 4 3 7 3 7	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
9071607	45	19127094	
, , , , ,		4.4	7

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skylline Rood Kefleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN 1916 WIRDUL

DC SPECIAL WASTE SERVICES

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NON-MAZARDOUS WAS IL PAIA I ORINI
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 5 2 3
A A A A A A A A A A A A A A A A A A A	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 1851989-9352
GENERATOR	CONTAINERS: No. 001 DT VOLUME/CY 00018 Y WEIGHT/TONS 24.37 TOWS
ER	TYPE: ROLL-OFF TRUCK DUMP DRUMS CARTONS OTHER
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
TED B	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	
ш	VOC-OVA READINGS
10 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID
E.	EPA E
TRANSPORTER I	NAME LENDESTE TRANS INC. 10. (Ad 982513632) ADDRESS 7705 CONSE LANE SERVICE ORDER NO
ANSP	CITY, STATE, ZIP 1 W. TUTSOr CA 95492 PICKUP DATE 4-2-02
	PHONE NO. (80) 838 1477 Wichiel Clark William 4-2-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAMEEPA
POF	ADDRESS SERVICE ORDER NO
TRANSPORT II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
` .	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
<u>E</u>	ADDRESS 35251 OLD SKYLINE ROAD ALANDFILL OTHER
ACIL.	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (BOO) 222-2964 (COCA UShworth 4/2107 TYPED ON PRINTED FULL NAME & SIGNATURE
	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY
1	DISONETANOT

WEIGHT (LB) TIME DATE COMMODITY: HAZARD WASTE DEPUTY WEIGHMASTER 90180 lb 40.09 ton GROFS: 30 4-02-02 TARE: NET 12:12 04/02/02 31420 lb 15.71 ton YARDAGE: GENERATOR MANIFEST PROFILE RECEIPT

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodify was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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JOUGI-10 21-14

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13361 NH18678602

) BY GENERATOR		PROFILE#EB3737	
		EPA I.D. C A 6 1 7 0 0 2 3 3 2 3	
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (205) 989-925	
	CONTAINERS: No	WEIGHT/TONS	
	WASTE DESCRIPTION NON HAZ FICE CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONEN	TS OF WASTE PPM %	
COMPLETED	1		
BEC	VOC-OVA READINGS		
0	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	743	
-	PROPERTIES: pH QSOLID LIQUID SLUDGE SLURRY OTHER		
	USE PROPER PPE DURING HANDLING		
	HANDLING INSTRUCTIONS: THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Land Mc Carel 4/1/2002	
Œ		EPA EPA	
TRANSPORTER I	ADDRESS 29590 Mira Loma Dr.	EPA (1.D. Car 0006 934 92) SERVICE ORDER NO.	
NSP		PICK UP DATE 4-1-02	
TRA	PHONE NO. (909) 239 - 7117 Luis Escolero Luis	uolus 4-1-02	
TER	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE EPA	
	NAME	I.D. NO.	
TRANSPOR II	, , , , , , , , , , , , , , , , , , , ,	SERVICE ORDER NO.	
AAN	PHONE NO. ()	PICK UP DATE	
F	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE	
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.O. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD	
≥		LANDFILL OTHER	
등	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839	GENNORIE EI OTHER	
TSD FACILITY	PHONE NO (800)) 222-2964 COOPA OSHUMORY	4/1/02	
TSI	TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE	
	TRANS S B C/O RT/CD HWDF NONE		
	DISCREPANCY		

WEIGHT (LB)	TIME: DATE:	COMMODITY: HAZARD WAST	Œ
GROSS: 4-0	1-02 81480 lb 40. 7	4 ton	
TARE 5:13 04/01/0	02 32680 lb 15.34 to)n / 5	
NET: YARDAGE:		2 -5105 547	1
GENERATOR NBVC	MANIFEST NH 1867860	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

35251 Old Skyllne Road Kettleman City, CA 136786 NO:

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of
35251 Did Souther 8

WEIGHMASTER CERTIFICATE

weighmaster Certificate
This is to certify that the following described commodity was weighed, measured, or counted by a Weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by ChAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN SOIL W/ADUL

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 N1+186>870

~	HOIT III LEI HIDOGO HIAGIE I	Ji tii t i O i Nii
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME
†	ADDRESS 1000 23RD AVE	EPA I.D. CAS170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (205) 989-9258
GENERATOR	CONTAINERS: No	<u>У</u> weight/tons 24,12 Тоы 5
B≼	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPONENTS	SS
COMPLETED	1	<u> </u>
BE C	VOC-OVA READINGS	
٥	PROPERTIES: pH DSOLID DEQUID DSLUDGE DSLURRY DOTHER	-
	PROPERTIES: pH QSOLID	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Splan McCarl 4/1/2002
ORTER	NAME L & D Transport ADDRESS 39590 Mira Lowa Dr	EPA Car 000093491 NO. Car 000093491
TRANSPORTER	CITY, STATE, ZIP TEMECULA CA . 92592 C PHONE NO. 909) 260-68/6 JUAN ESCOLO J TYPED OR PRINTED FULL NAME & SIGNATURE	PICKURDATE 4-1-02 4-01-02 DATE
TER	NAME	EPA I.D. — NO.
SPOR	ADDRESS	SERVICE ORDER NO.
TRANSPORT	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATEDATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
<u>}</u>	ADDRESS 35251 OLD SKYLINE ROAD	XLANDFILL □ OTHER
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO (800) 222-2964 TYPED OR BRINTED FULL NAME & SIGNATURE	07th 4/1/07
TS	GEN	
1	1	

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO 15=15 04/01/02 GROSS: 34850 lb 17.43 ton DEPUTY WEIGHMASTER 41.21 ton 4-01-02 82420 16 NET: YARDAGE: GENERATOR MANIFEST PROFILE NO. (B373 NH 18 RECEIPT # BIN # SPEONU

CHEMICAL WASTE MANAGEMENT, INC.

VASTE

35251 Old Skyline Road Kettleman City, CA 186787

WEIGHMASTER CERTIFICATE

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This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose algnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BRWY SUL

No.13361

BDC SPECIAL WANTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH1867890Z

BY GENERATOR	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (805) 989-4258
	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1
ш	VOC-OVA READINGS
10 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID
TER	NAME 202 BLAND NAME 202 BLAND NO. CARCOO 1066 41
PO I	ADDRESS 142 860 CRISSIJE 11 20. SERVICE ORDER NO.
TRANSPORTER I	CITY, STATE, ZIP: LOS BANG CA. 93635 PICK UP DATE 04-01-02 PHONE NO. (207)826-9433 RON BARKER RONDON DATE 04-01-07
<u>ш</u>	TYPED OF PRINTED FULL NAME & SIGNATURE DATE EPA
≒	ADDRESS
VSP(II	OTTA OTTATE THE
TRANSPOF II	PHONE NO. ()
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD XANDFILL OTHER.
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOOK) 222-2964 COCO CISTOS PAINTED FULL NAME & SIGNATURE DATE OFFICE OF PRINTED FULL NAME & SIGNATURE
TS	GEN OLD/NEW L A TONS TRANS S B TONS
	C/O RT/CD HWDF NONE

WEIGHT (LI	3) TIME DATE	COMMODITY: HAZARD(
cross:33 +	-01-02 83900 lb 41.	.95 ton DEPUT) WEIGHMASTER
TARE 15:18 04/01. NET:	/02 33420 lb 16.71	ton
YARDAGE:	The second secon	TOYANDS SA
RENERATOR V	MANIFEST NH 1867891	PROFILE NO.
TRACTOR LICENSE NO.	BIN #	RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skylline Rood
Kettleman City, CA
186789

WEIGHMASTER CERTIFICATE

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This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with § 1.2700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

How Louke. Black.

BROW SUL

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 WH18019002

<u> </u>	
BY GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA CA 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (8059894258)
	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOILGENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
LETED	1 3
COMPL	2
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
_	PROPERTIES: pH SOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. USE PROPER PPE DURING HANDLING TYPED OR PRINTED FULL NAME & SIGNATURE DATE
EB	Raine True 6
ORT	ADDRESS BAKES / IE / SERVICE ORDER NO
TRANSPORTER I	CITY, STATE, ZIP PICKUP DATE 4/1/02 PHONE NO. (4(1)) (654)-0924 Callos Barcs Cantos Suin 4/1/02
	/ TYPED OR PRINTED FULL NAME & SIGNATURE / DATE
RTER	NAME EPA I.D. NO.
ISPO II	ADDRESS SERVICE ORDER NO
TRANSPOR	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA I.D. NO. CATØØØ545117
	NAME CHEMICAL WASTE MANAGEMENT-KHF NO. C A T Ø Ø 6 4 6 1 1 7 D DISPOSAL METHOD
Ē	ADDRESS 35251 OLD SKYLINE ROAD SLANDFILL OTHER
FACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO (BOO)) 222-2964 COCO OShworth 4/1/02
TSD FACILITY	PHONE NO (BØØ)) 222-2964 GEN OLD/NEW L A TONS PHONE NO (BØØ)) 222-2964 TYPED A PRINTED FULL NAME & SIGNATURE DATE
	TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skyline Rood
Kettleman City, CA
136790 WEIGHT (LB) TIME DATE COMMODITY: HAZARDO GROSS: 38 40.97 ton PUTY WEIGHMASTER 4-01-02 81940 lb WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
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Janes.

(W) 34H 3 3/03 1447 CA

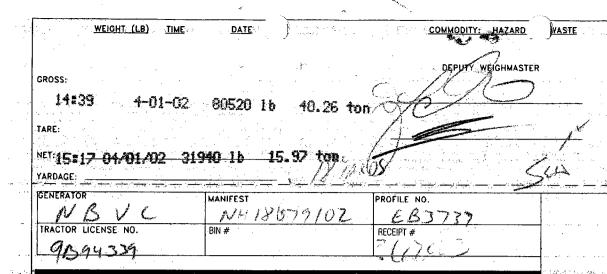
BROWN SOIL

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH86)910~

		72.
BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805)979-9258
	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCE	·
COMPLETED	1	NENTS OF WASTE PPM %
OMPL	24	
BEC	VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
•	PROPERTIES: pH QSOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Span Ablack 4/1/2002
LER	NAME ROW BLAND Trucking	EPA CAR MO 101.641
TRANSPORTER I	ADDRESS 1446 CTYS WELL K. d.	SERVICE ORDER NO.
NS	CITY, STATE, ZIP LOS RANDS, CA 97675	PICK UP DATE 09/01/02
Æ,	PHONE NO. (209) 526-0223 ROW SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	Blend 04/01/62
띮	NAME	EPA I.D. NO.
<u> </u>	ADDRESS	SERVICE ORDER NO.
NSP(CITY, STATE, ZIP	PICK UP DATE
TRANSPO II	PHONE NO. ()	
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. C A T Ø Ø Ø 6 4 6 1 1 7
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD	XLANDFILL OTHER
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (BØØ)) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE	h = 4/01/02
75	GEN OLD/NEW L A TONS	DATE
	TRANS S B C/O RT/CD HWDF NONE	
	DISCREPANCY	



CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road 18679

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
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BROWN Soil

BDC SPECIAL WASTE SERVICE

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18679202

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (\$05) 989-4258
GENERATOR	CONTAINERS: No
ΒY	WASTE DESCRIPTION NON HAZ FICE CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1
BE CO	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
_	PROPERTIES: pH SOLID LIQUID SLUDGE SLURRY OTHER
·	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
Œ	Many Tuesday
TRANSPORTER I	NAME
SPO I	ADDRESS 3433 WAYNESBORO DR SERVICE ORDER NO.
ANS.	CITY, STATE, ZIP CIERES A 95307 PICK UP DATE
TR/	PHONE NO. (209) 531-2549 MARK A JUSEN Mark Ct. Justice 4-1-02 Typed on Printed Full NAME & SIGNATURE DATE
ER	EPA EPA
-	NAME I.D. NO
TRANSPOR II	ADDRESS SERVICE ORDER NO
NNS	CITY, STATE, ZIP PICK UP DATE PICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
· ·	W
	NAME CHEMICAL WASTE MANAGEMENT-KHF
₹	ADDRESS 35251 OLD SKYLINE ROAD YLANDFILL OTHER
CIL	,
TSD FACILITY	PHONE NO. () CA 93239 PHONE NO. () CA 93239 TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
TS	GEN OLD/NEW L A TONS
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY

COMMODITY: HAZARD WEIGHT (LB) TIME WASTE DATE DEPUTY WEIGHMASTER GROSS: 14545 TARE: 4-01-02 78640 lb 39.32 ton NET: 15#26 04/01/02 29200 1b 14.60 ton YARDAGE: __ GENERATOR MANIFEST 63737 NH 18679202 NBVC TRACTOR LICENSE NO. BIN# REÇEIPŢ# 9893669

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 136792

WEIGHWASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
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Mark 1

No.1336:

BDC SPECIAL WASTE SERVICE

A WASTE MANAGEMENT COMPANY

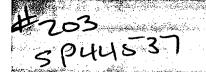
766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

DH(86)9302

D BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (205) 989-9258
	CONTAINERS: No	·
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
	COMPONENTS OF WASTE PPM % COMPONE	NTS OF WASTE PPM %
COMPLETED	1 3	
OMP	2 4	
BE C	VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	+ 100
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Hand Milard 4/1/2002
TRANSPORTER I	NAME GATS I CE + SONS	EA Caloos 231345
VSP(CITY, STATE, ZIP. 1 BAKESS FILL CA	PICK UP DATE A-1/-07
	PHONE NO. (661) 4963167 TYPED OR PRINTED FULL NAME & SIGNATURE	Silly Hiring
RTER	NAME	I.D. NO.
POR I	ADDRESS	SERVICE ORDER NO.
TRANSPO	CITY, STATE, ZIP	PICK UP DATE
<u> </u>	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
<u>Ę</u>	ADDRESS 35251 OLD SKYLINE ROAD	CLANDFILL OTHER
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	7
TSD FACILITY	PHONE NO. (BOO)) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE	4/1/02 DATE
ř	TRANS S B	tudatiso 4-1+02 mg
.	C/O RT/CD HWDF NONE	

15:24 04/01/02 33520 1b 16.76 ton (continue)	nmodity was weighed, measured, or counted a WEIGHMASTER, whose signature is on this lifficate, who is a recognized authority of uracy, as prescribed by CHAPTER J mmencing with § 12700) of Division 5 of California Business & Professions Code, ninistered by the Division of Measurement andered of California Department of Food I Agriculture.
MANIFEST PROFILE NO. NO STATEMENT PROFILE NO. RECEIPT # RECEIPT # RECEIPT #	

BROWN LOIL W/ROLL



3DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13363:

H186>9902

NI HAZADDOHE WASTE DATA

T	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME	
	ADDRESS 1000 23RD AVE	EPA I.D. C A 6 1 7	0023323
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT:	PHONE NO. (80	51989-935-
	CONTAINERS: No. 001 DT VOLUME/CY 00018	Y WEIGHT/TON	s 23.68 Ton
-1	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER		
	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCES	SS	· · · · · · · · · · · · · · · · · · ·
	COMPONENTS OF WASTE PPM % COMPON	NENTS OF WASTE	PPM %
	1 3		
	2		
	VOC-OVA READINGS	·	
	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043	
1	HANDLING INSTRUCTIONS:		
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	J. Jawes	4/02/02 DATE
	WASTE AS DESCRIBED IS 100% NON- ACYCL J. SEWALL POLITY	EPA CAD987 SERVICE ORDER NO.	513632
	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME Denbeste TOPA TO		513632
	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE ADDRESS 7705 Condeliane GC1197	SERVICE ORDER NO.	513632
	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME	SERVICE ORDER NO.	51363Z
	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste TYPED OR PRINTED FULL NAME & SIGNATURE ADDRESS CITY, STATE, ZIP: Windsor PHONE NO. (707 838 1407 TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	SERVICE ORDER NO PICK UP DATE EPA	51363Z 04/02 DATE
× × × ×	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE CITY, STATE, ZIP 1 W1ndsor CA 95492 PHONE NO. (707 838 1407 Faw the famases TYPED OR PRINTED FULL NAME & SIGNATURE	SERVICE ORDER NO PICK UP DATE EPA I.D NO	51363Z 64/02 DATE
ye. 4:2	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE CITY, STATE, ZIP PHONE NO. (707 838 140) TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS TABLE TO SELVE LA POLICI	SERVICE ORDER NO PICK UP DATE EPA I.D NO SERVICE ORDER NO	51363Z 64/02 DATE
-	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Denbeste Typed or Printed Full NAME & SIGNATURE ADDRESS CITY, STATE, ZIP PHONE NO. (707 838 1407 Typed or Printed Full NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (707 838 1407 Typed or Printed Full NAME & SIGNATURE PHONE NO. (707 838 1407 Typed or Printed Full NAME & SIGNATURE) PHONE NO. (707 838 1407 Typed or Printed Full NAME & SIGNATURE)	SERVICE ORDER NO PICK UP DATE EPA I.D NO SERVICE ORDER NO PICK UP DATE	51363Z 04/02 DATE
900 A 400	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME Dendeste TYPED OR PRINTED FULL NAME & SIGNATURE CITY, STATE, ZIP PHONE NO. (107 838 140) TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (107 838 140) TYPED OR PRINTED FULL NAME & SIGNATURE NAME NAME CHEMICAL WASTE MANAGEMENT-KHF	SERVICE ORDER NO PICK UP DATE EPA I.D NO PICK UP DATE EPA I.D NO C A T Ø Ø	51363Z 04/02 DATE
	WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. NAME DUNDES TO SUBJECT SUP- TYPED OR PRINTED FULL NAME & SIGNATURE CITY, STATE, ZIP 1 W1 NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (107 838 140) TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (107 838 140) TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	SERVICE ORDER NO PICK UP DATE EPA I.D NO PICK UP DATE EPA I.D NO C A T Ø Ø	DATE DATE DATE 0 6 4 6 1 1 7 OSAL METHOD
pro la co	WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. NAME Dembes to TYPED OR PRINTED FULL NAME & SIGNATURE ADDRESS CITY, STATE, ZIP 1 W1 NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (10) TYPED OR PRINTED FULL NAME & SIGNATURE NAME NAME NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	SERVICE ORDER NO PICK UP DATE EPA I.D NO SERVICE ORDER NO PICK UP DATE EPA I.D ODISP	DATE DATE DATE DATE DATE DATE
b-s v.s	NAME	SERVICE ORDER NO PICK UP DATE EPA I.D NO SERVICE ORDER NO PICK UP DATE EPA I.D ODISP	DATE DATE DATE 0 6 4 6 1 1 7 OSAL METHOD
	NAME Dendes IS 100% NON- HAZARDOUS. NAME Dendes IS 100% NON- TYPED OR PRINTED FULL NAME & SIGNATURE CITY, STATE, ZIP 1 W1ndsof CA 95492 PHONE NO. (107 838 140) Typed OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (107 838 140) Typed OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. (107 838 140) Typed OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (800) 222-2964	SERVICE ORDER NO PICK UP DATE EPA I.D NO SERVICE ORDER NO PICK UP DATE EPA I.D ODISP	DATE DATE DATE DATE DATE DATE

WEIGHT: (LB) TIME COMMODITY: HAZARE WASTE DATE DEPUTY WEIGHMASTER GROS9::25 79760 lb 39.88 ton TARE: YARDAGE: GENERATOR PROFILE RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman Cily, CA 186799

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Em Bad Soil Bock!

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DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

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766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

ALT 186800 or

	HOIT HALAHDOOD WAGIL DAIA I OHIII
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
	1000 23RD AVE LD. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (805) 969-9352
TOR	CONTAINERS: No
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
S E	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
B	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1.
Σ	2
8	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID UQUID USLUDGE USLURRY UTHER
	USE PROPER PPE DURING HANDLING
	HANDLING INSTRUCTIONS: USE PROPER FPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOY & J. SEWELL HALL & J. SEWELL HALL & J. SEWELL HALL & J. SEWELL & J. SE
ER	NAME Denbooke Trues portuition 100 MO 582573632
JRT	ADDRESS DOCCORDE NO
ISP(CITY, STATE, ZIP Weeken Co SOYSS PICK UP DATE \$-2-03
TRANSPORTER I	PHONE NO. (See) 838-14>7 Chaplic Jones Challe free 4-2-05
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME EPA I.D. NO.
OR	ADDRESS SERVICE ORDER NO
USP(II	! CITY, STATE, ZIP
TRANSPOR II	PHONE NO. ()
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA I.D. NO. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
Ţ	ADDRESS 35251 OLD SKYLINE ROAD SLANDFILL OTHER
CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (BOW)) 222-2964 COOPA ASHWOTH 9/2/02
rsd	GEN OLD/NEW L A TONS TYPED OR PRINTED FULL NAME & SIGNATURE DATE
•	TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

COMMODITM: HAZARE WEIGHT (LB) TIME DATE WASTE 11*29 4-02-02 80080 lb 40.04 ton DEPUTY WEIGHMASTER GROSS: TARE: 32880 lb 16.44 ton 12:11 04/02/02 YARDAGE GENERATOR MANIFEST PROFILE NO. ŘĒČEIPT

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of eccuracy, as prescribed by CHAPTER 7 (commercing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

3/03 341 B18 11:47

BAN REA SOUT

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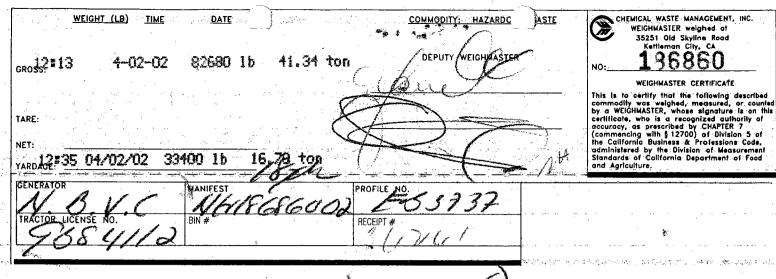
DC SPECIAL WASTE SERVICES WAYN A WASTE MANAGEMENT COMPANY

No.133631

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18686002

ga i magana kabaja jajan	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
- 1 (\$P\$) 1 - 18 -2 1	ADDRESS 1000 23RD AVE CA 6 1 7 0 0 2 3 3 2 3
y ersopsi	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. \$05.1989-935>
GENERATOR	CONTAINERS: No
ENER	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1. <u>3</u>
M	2
BE CC	VOC-OVA READINGS
. OE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID UQUID USLUDGE USLURRY UOTHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
ER	NAME SANCHOZ Trucking EPA CARDOOD 45880
TRANSPORTER I	cara de alla ella ella ella
SPC I	
ANS	CITY, STATE, ZIP , CODANY: (N): 90301 M/PICK UP DATE 4/03/03
TR	PHONE NO. (3-23) 79/-84-10 TYPED OR PRINTED FULL NAME & SIGNATURE DATE TYPED OR PRINTED FULL NAME & SIGNATURE
ER	EPA [
느	NAME
PO	ADDRESS SERVICE ORDER NO
SN	CITY, STATE, ZIPPICK UP DATE
TRANSPOR II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA I.D. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
· ≽ ∣	ADDRESS 35251 OLD SKYLINE ROAD MALANDFILL OTHER
7	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO! (BOO)) 222-2964 COOR AShardish 4/02/02 TYPED OF PRINTED FULL NAME & SIGNATURE DATE
TS	GEN OLD/NEW L A TONS
	TRANS S B ST/CD HWDF NONE
	C/O RT/CD HWDF NONE DISCREPANCY



Moder J.

3/03 34H BR 1218 CX

BAN SOUT

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DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NA18686202

		ROFILE#EB3737
	1000 0300 000	CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$05/989-9352
IATOR	CONTAINERS: No	
GENERATOR	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
B		TS OF WASTE PPM %
COMPLETED	1	
w	VOC-OVA READINGS	
TO BI	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	043
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LLOYD J. SAWBLE HELD TYPED OR PRINTED FULL NAME & SIGNATURE	Sewell 4/02/02
TER	NAME DENBESTE	CA0982513632
POR' I	ADDRESS 7401, GODOS, HU	SERVICE ORDER NO.
TRANSPORTER I	PHONE NO 800 838-1417 DIGKIC FBYQUION TYPED OR PRINTED BOILL NAME & SIGNATURE	PICK UP DATE 4-3-02 DATE
EB	NAME	EPA D.D. NO.
⊨	ADDRESS	SERVICE ORDER NO.
TRANSPOF	CITY, STATE, ZIP	PICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
1		EPA 1D. NO. CATØØØ546117
	NAMECHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
Ę	ADDRESS 35251 OLD SKYLINE ROAD	S LANDFILL OTHER
FACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (BØØ)) 222-2964 COCA CLASSICAL COLORS PHONE NO. (BØØ)) 222-2964	1/2/02
TSD FACILITY	PHONE NO! DIVIDITY LEL LOUT TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE
-	TRANS S B	
	C/O R1/CD NONE DISCREPANCY	

CHEMICAL WASTE MANAGEMENT, INC. COMMODITY: HAZARD WEIGHT (LB) TIME DATE VASTE 35251 Old Skyline Road Kettleman City, CA 136862 DEPUTY WEIGHMASTER 39.57 ton GROS 2 20 4-02-02 79140 lb WEIGHMASTER CERTIFICATE WEIGHMASIER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the Collifornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: 16.24 ton YARDAGE: RECEIPT #

> 3/03 3UH B/8 1928 04

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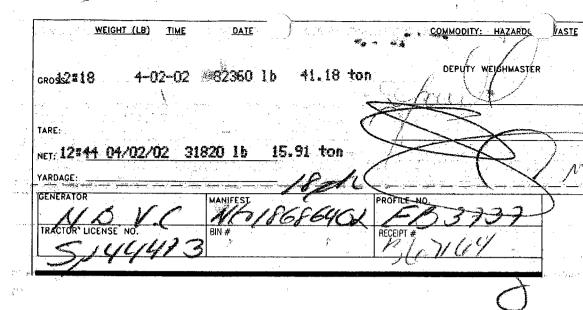
DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18686402

	NON-HAZARDOUS WAS LE DATA FORWI
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
	ADDRESS 1000 23RD AVE
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 808) 989-9352
ATOR	CONTAINÉRS: No. 001 DT VOLUME/CY 00018 Y WEIGHT/TONS 25.41 TONS
BY GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
, <u>1</u>	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
E	3
7	
E COMPLETED	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pHSOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TOTAL MARCHANTER MAR
TRANSPORTER I	NAME Den Beste BCA1982573632
OR	ADDRESS 7705 CONDE LN, SERVICE ORDER NO.
NSF	CITY, STATE, ZIP, WINDOOF, Ca., PICKUP, DATE
TRA	PHONE NO. (FW) 838-1477 JOHN Webb John Wubb 4-2-02 TYPED OR PRINTED FULL NAME & STGNATURE DATE
ER	NAME LD.
JRT	ADDRESS SERVICE ORDER NO
ISP(; CITY, STATE, ZIP PICK UP DATE
TRANSPORTE II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
1.179.0	
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA I.D. NO. CAT000646117 DISPOSAL METHOD
₹	ADDRESS 35251 OLD SKYLINE ROAD
믕	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (BOO)) 222-2964 COO OShwyth 912102 TYPED OR PRINTED FULL NAME & SIGNATURE 4/2/02 DATE
TS	GEN OLD/NEW L A TONS
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY



CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

3/03 3/14/18/8 1226

Ben Galbeit

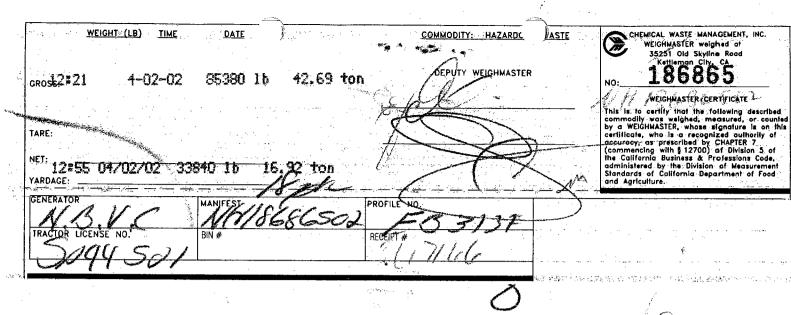
DC SPECIAL WASTE SERVICES AVA A WASTE MANAGEMENT COMPANY

No. 13363

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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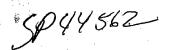
	INCH-HAZARDOUS WAS I'V DATA FORIVI
y swain T	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
egar e	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 8051989-5394
COMPLETED BY GENERATOR	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	1
BE CO	VOC-OVA READINGS
<u> </u>	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
TRANSPORTER I	NAME Den Reste EPA LD CAD982513632 ADDRESS 7705 Con Re LD SERVICE ORDER NO
	ADDRESS 7705 Conde La SERVICE ORDER NO. CITY, STATE, ZIP 1 Windsor, Ca 95492 PHONE NO. (800 838 1477 Joe Filbin De Ailli 4-2-02
ER	TYPED OR PRINTED FULL NAME & SIGNATURE ODATE
	NAME EPA I.D. NO.
PO	ADDRESS SERVICE ORDER NO
TRANSPORT II	CITY, STATE, ZIP PICK UP DATE PICK UP DATE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
•	
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA I.D. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD LANDFILL OTHER
팅	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOO)) 222-2964 (COM CISHOOCH 9/2102) TYPED OR PRINTED FULL NAME & SIGNATURE
TS	GEN OLD/NEW L A TONS
	TRANS S B C/O RT/CD HWDF NONE
-	DISCREPANCY



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DC SPECIAL WASTE SERVICES AWASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 MH18686602

a yanasa	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 605)999-9352
GENERATOR	CONTAINERS: No
B√	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
BE COMPLETED	3
E COI	VOC-OVA READINGS
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD J. SEWELL Shurt J. Lewell 4/02/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
IER	NAME DEN GRATE TRANS EPA 1.D. (AD 982573632
POR' I	ADDRESS 7705 Conds La SERVICE ORDER NO.
TRANSPORTER I	PHONE NO. (800) 838-1477 Richard MORENO LONG
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE CONTROL DATE
ITER	NAME
, p	ADDRESS SERVICE ORDER NO.
TRANSPOR	CITY, STATE, ZIPPICK UP DATE
₹.	PHONE NO. (
=	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
	ADDRESS 35251 OLD SKYLINE ROAD ALANDFILL OTHER
긎	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO(BOW)) 222-2964 COOR a ashworth = 4/2/02
TSI	TYPED ON PRINTED FULL NAME & SIGNATURE DATE GEN OLD/NEW L A TONS
•.	TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER WEIGHAR WEIGHT (LB) TIME DATE WASTE COMMODITY: HAZARD Mary 1 - 21 cm 35251 Old Skyline Road GROSS: 22 DEPUTY WEIGHMASTER 82120 lb 4-02-02 41.06 ton WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture: TARE: NET: 12:53 04/02/02 32560 1b 16.28 ton YARDAGE: GENERATOR MANIFEST

> Kirkard De beste

3/03 344 BR 1230 6A

Bour Ded Toil

DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. \$51989-9352
ATOR	CONTAINERS: No. 001 DT VOLUME/CY 00018 Y WEIGHT/TONS 23,78 FOWS
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL GENERATING PROCESS
ID BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	3
- JWC	2
ш	VOC-OVA READINGS
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
* * .	USE PROPER PPE DURING HANDLING HANDLING INSTRUCTIONS:
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LDYD T. SEWEL Joyd Jewell 4/02/02 TYPED OR PRINTED FULL NAME & SIGNATURE OATE
TER	NAME L&H CONSULTING INC 100 CADS82322570
OR.	ADDRESS 245 QU911 of SERVICE ORDER NO.
TRANSPORTER I	CITY STATE, ZIP , Santa va la as 73060 PICK UP DATE
TRA	PHONE NO. (900) 500 5775 PANIKO VIJA MILE SIGNATURE DATE
EB	NAME
.	ADDRESS SERVICE ORDER NO
II	; CITY, STATE, ZIPPICK UP DATE
TRANSPOR II	PHONE NO. (
Η-	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF CATOOOGA METHOD DISPOSAL METHOD
>-	NAME CHEFT CHE WHITE MININGEMENT TO DISPOSAL METHOD ADDRESS 35251 OLD SKYLINE ROAD MIANDFILL COTHER
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
FAC	PHONE NO. (BOO)) 222-2964 COO OSh OSh OSh OSh OSh OSh OSh OSh OSh O
TSD FACILITY	PHONE NO: TYPED ON PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS DATE
	TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE 35251 Old Skyline Road DEPUTY WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE WELGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose algnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 39.72 toh 15.97 ton YARDAGE: GENERATOR PROFILE NO

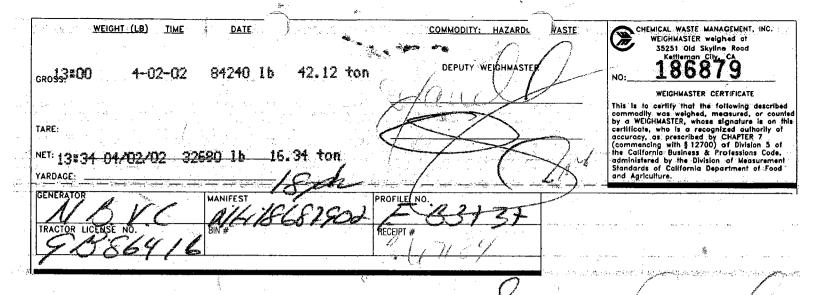
> 3/03 3UH IBR 1248 CA

Ben Red hit Local

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#E83737 NAME SITE: SAME
	ADDRESS 1000 23RD AVE EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE NO. 8051989-9352
GENERATOR	CONTAINERS: No
NER.	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
Ë	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % 1
COMPLET	2
BE CC	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
TER	NAME SANCHEZ Truck EPA CAROCOOYS880
TRANSPORTER I	ADDRESS 5673 ELIZABETH 37 SERVICE ORDER NO.
IANS	CITY STATE, ZIP: CUDAHY CA. BICKUP DATE
·	PHONE NO. 523) 79/84/6 DAMIE TILE TILE 2. 4-2-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
RTER	NAME EPA I.O. NO.
SPO II	SERVICE ORDER NO.
TRANSPOR	PHONE NO. ()
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA LD C A T 0 0 0 6 4 6 1 1 7 DISPOSAL METHOD
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD STANDFILL OTHER
ACIL.	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOO)) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE PHONE NO. (BOO)) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE DATE
7	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY



3/03 34H BK 1308

BAN lait

(lic# 9872823)

9DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13364: NH18688002

in the	NON-HAZARDOUS WAS JE L	PAIA FURIN
lage o	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
and the second	ADDRESS 1000 23RD AVE	EPA C A 6 1 7 0 0 2 3 3 2 3
ED BY GENERATOR	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 80 5) 989-9352
	CONTAINERS: No	WEIGHT/TONS 25.28 70NS
	TYPE:	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONE	
	COMPONENTS OF WASTE FEM % COMPONE	ENTS OF WASTE PPM %
PLEI	3	
E COMPLETED	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	30/43
	PROPERTIES: pH QSOLID	Jewell 04-02-02
TER	NAME R FLORES TRKG	© CAL000221748
TRANSPORTER I	ADDRESS 3816 ARTIMUS CT.	SERVICE ORDER NO.
SANS	CITY STATE ZIP, BAKERSFICCO, CA 93378 BLOWER NO (GL) B34-7.396 ROGELLO FLORES	PICK UB PATE 04-02-02
	PHONE NO. 661 834-7396 ROSELLO FIORES TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
RTEF	NAME	EPA I.D. NO.
SPO	ADDRESS ; CITY, STATE, ZIP	SERVICE ORDER NO. PICK UP DATE
TRANSPORTER II	PHONE NO ()	
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE EPA
	NAME CHEMICAL WASTE MANAGEMENT-KHF	NO. CATOOO646117 DISPOSAL METHOD
<u>}</u>	ADDRESS 35251 OLD SKYLINE ROAD	LANDFILL OTHER
TSD FACILITY	PHONE NO! (800)) 222-2964 COAC AShab Rh	<u> </u>
rsb	PHONE NO (800) 222-2964 GEN OLD/NEW L A TONS PHONE NO (800) 222-2964 TYPED OL PRINTED FULL NAME & SIGNATURE A TONS	DATE
-	TRANS S B C/O RT/CD HWDF NONE	
	DISCREPANCY	

COMMODITY: HAZARDO CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE VASTE 196880 WEIGHMASTER DEPUTY 82560 lb 41.28 ton CR0953:03 4-02-02 WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodify was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered, by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: NET: YARDAGE 39 04/02/02 32000 RECEIP1

> Regulio The

> > 3/03 341 BB 1310 1310

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DC SPECIAL WASTE SERVICES

WAY

A WASTE MANAGEMENT COMPANY

766 S AVON AVE • AZUSA CA 01702

927426J

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737		
	ADDRESS 1000 23RD AVE (D. C A 6 1 7 0 0 2 3/3 2 3		
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 8051784-9352		
GENERATOR	CONTAINERS: No. 201 DT VOLUME/CY 20018 Y WEIGHTAONS 24.11 TOWS		
NER/	TYPE: ROLL-OFF TO DUMP DRUMS CARTONS OTHER		
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS		
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %		
LET	1		
COMPLETED	2 4		
) BE	VOC-OVA READINGS		
PROPERTIES: pH XSOLID			
			HANDLING INSTRUCTIONS:
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNANDRE TYPED OR PRINTED FULL NAME & SIGNANDRE DATE		
RTER	NAME - Din Gramboa Trucking En coloos217084		
ISPO I	ADDRESS 445 NON SHITI SERVICE GRIDER NO. A SERVICE		
TRANSPORTER I	PHONE NO. 624 9129544 JORO GOMBOR DATE TYPED OR PRINTED FULL NAME & SIGNATURE DATE		
EB	NAME ID.		
PORT	ADDRESS SERVICE ORDER NO		
IRANSPOR II	CITY, STATE, ZIPPICK UP DATE		
Ħ.	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE		
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD		
Ē	ADDRESS 35251 OLD SKYLINE ROAD TANDFILL COTHER		
ACILI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239		
TSD FACILITY	PHONE NO. (BOO) 222-2964 COM (ISHUNCH) 4/2/02 TYPED OF PRINTED FULL NAME & SIGNATURE DATE		
F	GEN OLD/NEW L A TONS TRANS S B BT/CD HWDF NONE		
	C/O RT/CD HWDF NONE DISCREPANCY		

CHEMICAL WASTE MANAGEMENT, INC.
WEICHMASTER weighed at COMMODITY: HAZARD WEIGHT (LB) WASTE TIME -DATE WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 186881 DEPUTY WEIGHMASTER 79100 lb 39.55 ton 4-02-02 GRO19204 WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was welghed, measured, or counied by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: YARDAGE: PROFILE NO RECEIPT

Jano Bruboa

> 3103 34H BK 1311 CH

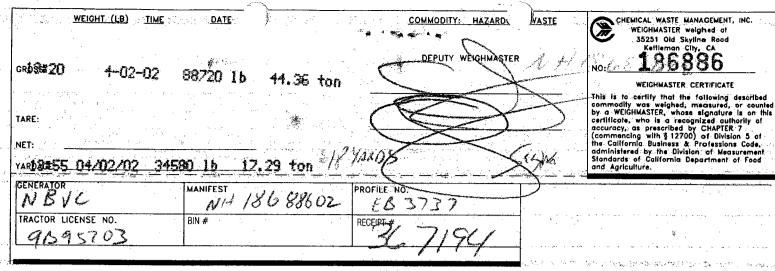
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BDC SPECIAL WASTE SERVICES AVA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18688602

	T T T T T T T T T T T T T T T T T T T	
COMPLETED BY GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE EB3737 SITE: SAME
	ADDRESS 1000 23RD AVE	EPA NO. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 8051989-9352
	CONTAINERS: No	Y WEIGHT/TONS 27.14 TONS
	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	s
	COMPONENTS OF WASTE PPM % COMPON	ENTS OF WASTE PPM %
	24	
В В	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
•. •	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Dewell 04/02/02
rea	NAME CAM TRUCKING	EPA CARODOU93385
TRANSPORTER I	ACUD LA LICITIA ALLE	SERVICE ORDER NO.
ANSI	CITY, STATE, ZIP 1 WHITTIER, CA 90605	PICK UP DATE
	PHONE NO. (510) 489-6872 TEPF BALA TYPED OR PRINTED FULL NAME & SIGNATURE	Juff. Ram 4202
RTER	NAME	EMA I.D. NO.
	ADDRESS	
ا تا ق		SERVICE ORDER NO.
ANSP	CITY, STATE, ZIP	SERVICE ORDER NO. PICK UP DATE
TRANSPO II	CITY, STATE, ZIP	
TRANSP	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATEDATE
	CITY, STATE, ZIP	PICK UP DATE DATE EPA I.D. NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
	CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	PICK UP DATE
	CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT—KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (800) 222–2964	PICK UP DATE DATE EPA I.D. NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
TSD FACILITY TRANSP	CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (800) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	PICK UP DATE DATE EPA I.D. NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD
	CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT—KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (800) 222–2964 TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATE DATE EPA I.D. NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD



Jeff Call

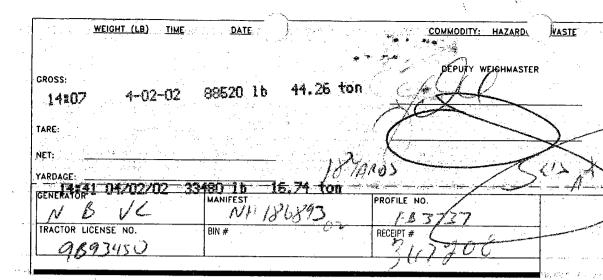
3/03 3/11 Blo 1334 CA

BROWN SOIL

DC SPECIAL WASTE SERVICES

No.13364

	AVA AWASTE MANAGEMENT COMPAN	NO. 1336
	766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971	W///K990
	NON-HAZARDOUS WASTE	DATA FORM
GENERATOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS	EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805, 989, 9352
	CONTAINERS: No	
GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
ED BY		ENTS OF WASTE PPM %
COMPLETED	1	
<u> </u>	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
. ;-	PROPERTIES: pH SOLID	
	USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	de) Lewel 04/02/02
RTER	NAME BORÍCUA TRANSPORT	EAR 0000 93234
ORI	ADDRESS 10 BOX 1681	SERVICE ORDER NO.
TRANSPOF I	CITY, STATE, ZIP 1 FRAIZER PARK (CA) 93225	PICK UP DATE 4-2-02 4-2-02
TŘ/	PHONE NO. (661) 978-9862 Albert W. RUERA All TYPED OR PRINTED FULL NAME & SIGNATURE	1-2-02 DATE
IER	NAME	EPA I.D. NO.
TRANSPORTER II	ADDRESS	SERVICE ORDER NO.
NSP	CITY, STATE, ZIP	PICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. CAT000646117
≥	ADDRESS 35251 DLD SKYLINE ROAD	DISPOSAL METHOD Value Disposal Method Dis
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
	PHONE NO (BOO) 222-2964 TYPED OR MRINTED FULL NAME & SIGNATURE	Th 4/2/02
<u>IS</u>	GEN OLD/NEW L A TONS	DATE
	TRANS S B RT/CD HWDF NONE	
	DISCREPANCY	



CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road

186893

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose algnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BROWN JUIL W/ROIL

BDC SPECIAL WASTE SERVICE A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-497

14) 460

No.13365 PH18689402

NON-HAZARDOUS WASTE I

	NON-HAZAMBOUS WAS ET	ZATA FURIN
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _SITE:SAME
	ADDRESS 1000 23RD AVE	EPA ID CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805) 989 - 9352
BY GENERATOR	CONTAINERS: No	Y WEIGHT/TONS
NER.	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
Y GEI	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	s
	COMPONENTS OF WASTE PPM % COMPON	ENTS OF WASTE PPM %
<u> </u>	1 3	
COMPLETED	2 4	
BE CO	VOC-OVA READINGS	
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
PROPERTIES: pH SOLID		
·	WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	V teull 04/02/02
TRANSPORTER I	NAME _ C - J - M -	EPA CAR 0000 93385
POR I	ADDRESS S542 LA SIERRA. AU-	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP, Wiffier CA	PICKUP DATE 4- 2- 02
Ŧ	PHONE NO. VAID US96847 FELIX) 9 SULFO TYPED OR PRINTED FULL NAME & SIGNATURE	1 Cyry, 4-2-02-DATE
EB	NAME	EPA I.D.
	ADDRESS	SERVICE ORDER NO.
NSP II	CITY, STATE, ZIP	PICK UP DATE
TRANSPORT II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	
	TITED OF FRINTED FULL NAME & SIGNATURE	DATE EPA
	NAMECHEMICAL WASTE MANAGEMENT-KHF	NO. CAT 0 0 0 6 4 6 1 1 7
≱	ADDRESS 35251 OLD SKYLINE ROAD	MLANDFILL OTHER
CILI	CITY STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (800) 222-2964 Cara ashwor	th 3 4/2/02
TSI	GEN OLD/NEW L A TONS	DATE
	TRANS S B C/O RT/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME DATE COMMODITY: HAZARD WASTE DEPUTY WEIGHMASTER GROSS: 41.16 ton 17.92 ton YARDAGE: GENERATOR PROFILE NO

CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyllne Road Kettleman City, CA 186894

WEIGHMÄSTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. Teommencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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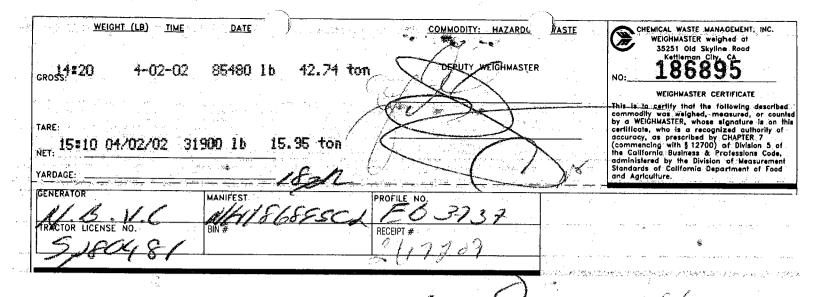
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DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13364

		DFILE#EB3737 FE:SAME
-	ADDRESS 1000 23RD AVE EPA I.D. NO.	C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$651989-9352
	CONTAINERS: No	WEIGHT/TONS 26,5 TONS
GENERATOR	TYPE: ROLL-OFF TO DUMP DRUMS CARTONS OTHER	
ENE		
	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCESS	
рВҮ	COMPONENTS OF WASTE PPM % COMPONENTS OF	DF WASTE PPM %
COMPLETED	1 3	
IPLE		
O.	4	
BEC	VOC-OVA READINGS	
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	3
•	PROPERTIES: pH SOLID UQUID USLUDGE USLURRY UOTHER	
	USE PROPER PPE DURING HANDLING	
	HANDLING INSTRUCTIONS:	
THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE		evell 04/02/02
ER	NAME ALLAN QUINN ID.	
TRANSPORTER I		·
ISP(MICE ORDER NO.
RAN	PHONE NO. (714) 77/ 0089 Allan R. QUINN Man R. Que	in 04/02/02
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
TER	NAME EPA	
	ADDRESS SER	VICE ORDER NO.
NSP(CUP DATE
TRANSPOR II	PHONE NO. ()	
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	CHEMICOL LICCTE MONOGEMENT/UE CHEMICOL LICCTE MONOGEMENT/UE NO.	CAT000646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
5		ANDFILL OTHER
ACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (BOO) 222-2964 COPTA CHANGE & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	9/02/02 DATE
2	GEN OLD/NEW L A TONS	
-	TRANS S B C/O RT/CD HWDF NONE	,
	DISCREPANCY	

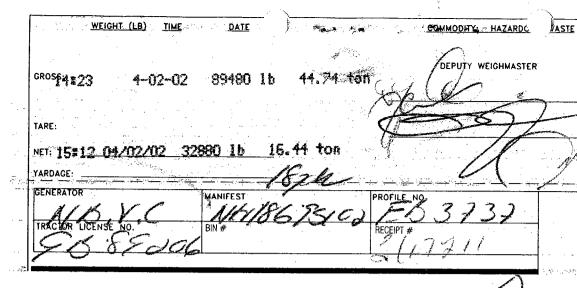


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BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

	A WASTE MANAGEMENT COMPA	
	766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971	NH18185102
	NON-HAZARDOUS WASTE	DATA FORM
Literary de agreement out on a	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME
	ADDRESS 1000 23RD AVE	EPA NO. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 505) 1789-9352
ATOR	CONTAINERS: No. 201 DT VOLUME/CY 20018	Y WEIGHT/TONS 28.69 TONS
GENERATOR	TYPE: ROLL-OFF TRUCK DRUMS CARTONS OTHER	
BY G	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPONENTS	SS
COMPLETED	1 3	
OMPL	24	
BE C	VOC-OVA READINGS	
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	33043
	PROPERTIES: pH SOLID	
	USE PROPER PPE DURING HANDLING	
	HANDLING INSTRUCTIONS:	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPEDOR PRINTED FULL NAME & SIGNATURE.	Verred 04-02-02
ORTER	NAME SAKE SON	CAR 0000 94797
L -	ADDRESS 12368 HAIEY ST	SERVICE ORDER NO.
TRANS	CITY STATE, ZIP, SUN VAILEY CA 91352	PICKUP DATE 040202
<u> </u>	PHONE NO. (S/8) 5/2 3424 ANONGSACK SINGN GAM TYPED OR PRINTED FULL NAME & SIGNATURE	Asjugugar 04-02-093.
	NAME	EPA I.D. - NO.
G	ADDRESS	SERVICE ORDER NO.
NSP II	CITY, STATE, ZIP	PICK UP DATE
TRANSPORTER II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA I.D. CAT000646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	_ DISPOSAL METHOD
🛓	ADDRESS 35251 OLD SKYLINE ROAD	_ XLANDFILL [] OTHER
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (BOO)) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE	Th 4/2/02
12	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	



CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyllne Road Kettleman City, CA 186951

WEIGHMASTER CERTIFICATE

This is to carlify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.

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3103 34H BR 1444

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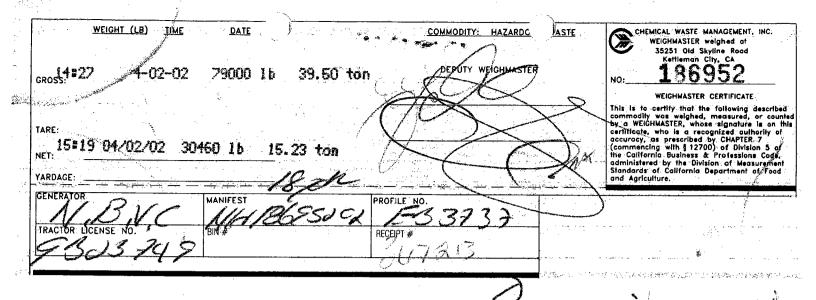
PDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY —

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.133662

	NON-HAZAHDOOS WASTE DATA LOTHIN
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
	ADDRESS 1000 23RD AVE EPA LD C A 6 1 7 0 0 2 3 8 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 85, 989-9352
GENERATOR	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
ED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1
О	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON- HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE O4/62/62 TYPED OR PRINTED FULL NAME & SIGNATURE
TER	NAME Garside & Sons Trucking LAL000231345
TRANSPORTER I	ADDRESS 7500 R OSedale HWY SERVICE ORDER NO.
NSF	CITY, STATE, ZIP Ba Kerisfield CA. PICKUPDATE 4/02/02
TR/	PHONE NO. (66) 1496-3/62 Jimmy D. OWENS Jums D. OWENS Jums DATE
ler.	NAME
TRANSPORT II	ADDRESS SERVICE ORDER NO
II	CITY, STATE, ZIPPICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA ID. CATOOO646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
Ĕ	ADDRESS 35251 BLD SKYLINE ROAD LANDFIL OTHER
덩	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (BOO)) 222-2964 COTA USHUOPH 912102 TYPED OF PRINTED FULL NAME & SIGNATURE DATE
TS	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY



3/03 3NH BR 1446

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DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 H No.13365;

181095302

المراجع والمراجع المسا	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
	ADDRESS 1000 23RD AVE	ID CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805, 989-9852
TOR	CONTAINE TO THE TOTAL TO THE TOTAL T	Y WEIGHT/TONS 24.12 TONS
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
BY GE	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCESS	
1 :	COMPONENTS OF WASTE PPM % COMPONE	ENTS OF WASTE PPM %
	3	
BE COMPLETED	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
	PROPERTIES: pH QSOLID	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	2000 04/02/02
EB	NAME GUISIDER SON TEXT HING-	EPA (AL 000 23/3 45
TRANSPORTER	ADDRESS 7500 Nosedele Hws. Bokersticides	•
AANS	PHONE NO. (661) 496-3167 Gabriel Gutuerez 9	PICKUP DATE
<u>ac</u>	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
)RTE	NAMEADDRESS	SERVICE ORDER NO.
NSPC		PICK UP DATE
TRANSPORT	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA I.D. CATØØØ646117
>	NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	DISPOSAL METHOD ALANDFILL OTHER
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	SEANDFILL OTHER
TSD FACILITY	PHONE NO. (BOW)) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE	th 9/2/02 DATE
TSI	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE DISCREPANCY	
1		

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE DEPUTY WEIGHMASTER GROSS: YARDAS:13 04/02/02 MANIFEST RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 186953

WEIGHMASTER CERTIFICATE.

WEIGHMASIER CERTIFICATE.

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASIER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$1-12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement standards of Colifornia Department of Foodand Agriculture.

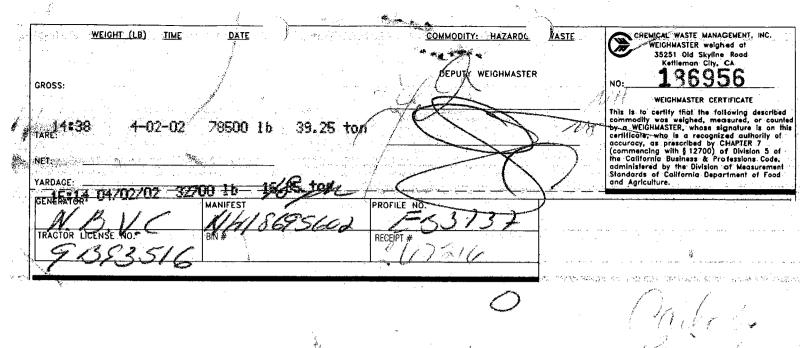
Ben hillows

DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.133651

·		
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
TOR	ADDRESS 1000 23RD AVE	EPA CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO \$05,979-9352
	CONTAINERS: No. <u>ØØ1 DT</u> VOLUME/CY <u>ØØØ18</u>	WEIGHT/TONS 23.5 TONS
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
D BY	COMPONENTS OF WASTE PPM % COMPONE	NTS OF WASTE PPM %
LETE	1 3	
COMPLETED	2 4	
BE C	VOC-OVA READINGS	
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	
5 - 1		
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	000
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPES OR PRINTED FULL NAME & SIGNATURE	1 Sewell 04/62/02 DATE
тея	NAME Brills trucking	EPA I.D. CAROUO108605
TRANSPORTER I	ADDRESS	SERVICE ORDER NO.
RANS	CITY, STATE, ZIP, 1 SALENS FOR C-A.	PICK UP DATE 04.02.02
	PHONE NO. WILL OF GALLY (M.C.) SALVEY TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
RTER	NAME	EPA I.D. NO.
ISPO II	ADDRESS 1 CITY, STATE, ZIP	SERVICE ORDER NO PICK UP DATE
TRANSPOR II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	
	TYPED ON PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. NO. C A T Ø Ø Ø 5 4 5 1 1 7
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD	VANDFILL □ OTHER
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (BOO)) 222-2964 COOR PRINTED FULL NAME & SIGNATURE	4/2/02 DATE
ř	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE DISCREPANCY	
i	DISCHERANCI	



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9B94914 6T88651

No.133656

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18695702

	NAVAL BASE VENTURA COUNTY PROFILE#			
BY GENERATOR	ADDRESS 1000 23RD AVE	61700	3323	
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHON	ENO. \$65.98	9-9352	
	CONTAINERS: No	EIGHTOPONS 2	3,0TONS	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS			
ETED 8	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE 1 3		PPM %	
COMPLI	24	·		
TO BE (vóc-ova readings			
· - .	PROPERTIES: pH SOLID			
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD J. S. B. W. E. J. S.			
TRANSPORTER I	NAME CHEATER PUSSEL ADDRESS 7601 Stone Brobers SERVICE ORDE CITY, STATE, ZIR Baker of rield Chester Russell TYPED OR PRINTED FULL NAME & SIGNATURE	1//2/20	3804 12/02	
RTER	NAME EPA I.D. NO.		, DAIL	
TRANSPOR	ADDRESS SERVICE ORDER CITY, STATE, ZIP PICK UP DATE	R NO.		
Ľ.	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE		DATE	
TSD FACILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD MANAGEMENT-KHF	DISPOSAL METH		
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (800) 222-2964 GEN OLD/NEW L A TONS TRANS S B	2	4/210 DATE	
. , , , ,	C/O RT/CD HWDF NONE DISCREPANCY White & Vellow - TSD COPY Pink - GENERATOR COPY - PINS - TRANSPORTER COPY - Cold			

CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE 35251 Old Skyline Road DEPUTY WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE

This is to certify that the fallowing described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with § 12700) of Division 5 of The California Business & Professions Code, administered by the Division of Measurement. Standards of California Department of Food and Agriculture. 40.03 ten 80060 16 16.54 ton YARDAGE: GENERATOR PROFILE NO. MANIFEST TRACTOR LICENSE NO RECEIPT #

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3/03 3NH BIR 1503 6A

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BDG SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

が No.13365

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

1418695902

	11011 11/12/11/2000 11/10/12/2011/11/2011/20
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME
9	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE NO. 80 5/989-9352
GENERATOR	CONTAINERS: No
GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
B⊀	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
ЕТЕР	to the state of th
COMPL	24
BE CC	VOC-OVA READINGS
5 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOUD
-	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD J. SBWELL Hough Source 04/02/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME CArpenter trans. BACAR 000/07367
TRANSPORTER I	ADDRESS 14705 DOBBS AUC SERVICE ORDER NO.
ANS	CITY, STATE, ZIP SAKETS FEILS CA. PICK UP DATE
Ę	PHONE NO. 661) 588-7355 Podrey (Ar PINTIC. Rodry Copute 4-2-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
E.	NAME EPA I.D. NO.
TRANSPORT II	ADDRESS SERVICE ORDER NO
INS	CITY, STATE, ZIP PICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
≱	ADDRESS_35251 OLD SKYLINE ROAD MALANDFILL OTHER
딩	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOO) 222-2964 Cara UShwall 4/2/02 TYPED ON PRINTED FULL NAME & SIGNATURE 0 DATE
TS	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) TIME DATE

COMMODITY: HAZARDL

DEPUT WEIGHMASTER WANAGEMENT, INC.
WEIGHMASTER Weighed of 35251 0ld Skyline Road
Kerlleman City, CA

NO. 186959

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodify was weighed, measured, or counted by a "WEIGHMASTER, whose algoriture is only in certificity, who is a recognized authority of Commencing with \$12700 of Obtision 5 of the California Business & Professions Commencing with \$12700 of Weight Standards of, California Department of Food and Agriculture.

WEIGHMASTER WANAGEMENT, INC.

WEIGHMASTER Weighed of 35251 Old Skyline Road

Kerlleman City, CA

NO. 186959

WEIGHMASTER Weighed of 35251 Old Skyline Road

Kerlleman City, CA

NO. 186959

WEIGHMASTER Weighed of 35251 Old Skyline Road

Kerlleman City, CA

NO. 186959

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Kerlleman City, CA

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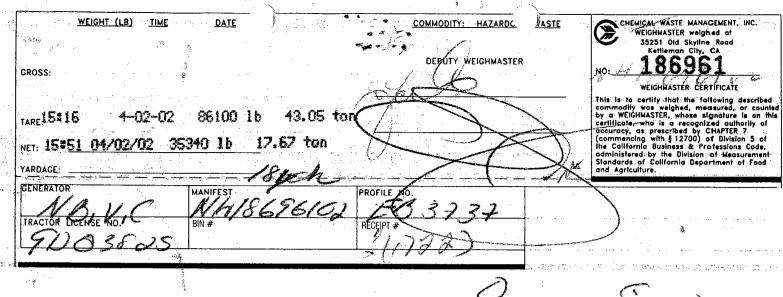
DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

No.133654

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH 18696102

	MON-HAZANDOUS WASTE BATA I OTHI
	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
·	ADDRESS 1000 23RD AVE
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 8051989-935
GENERATOR	CONTAINERS: No
BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1 3
ЕСОМР	2
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
 	PROPERTIES: pH SOLID UQUID USLUDGE USLURRY USTHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOY & J. SEWBL. Fluy J. Jane Co. 100% NON-TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
ORTER	NAME SIMON FROCKINS FOR CARDOOO 93 229 ADDRESS 421 MARIN ST. SERVICE ORDER NO
TRANSPORTER I	PHONE NO. (554) 386-4269 SIMON TAFOYAB June Frefer & 04-02-02
EB .	TYPED OR PRINTED FULL NAME & SIGNATURE DATE PARE LD LD
	ADDRESS SERVICE ORDER NO.
TRANSPORT II	CITY, STATE, ZIP PICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA NO. CATOOO646117
>	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD ADDRESS 35251 OLD SKYLINE ROAD SYLANDFILL OTHER
	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO! (BOO)) 222-2964 TYPEOOR PRINTED FULL NAME & SIGNATURE 412102
TSE	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY



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3/03 30H BR 1520 CH

SM SOIT EOM ASPHALT Candlet

3DC SPECIAL WASTE SERVICE

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

XH18696202

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
GENERATOR	NAME
	ADDRESS 1000 23RD AVE (EPA 1.0. C A 6 1 7 0 0 2 3 2 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 851 989-9352
	CONTAINERS: No
	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
B∀	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % 1 3 3
COMPLETED	24
ш	VOC-OVA READINGS
TO BI	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
•	PROPERTIES: pH DSOLID DIQUID DSLUDGE DSLURRY DOTHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD J. SBUBLL Hund J. Sewell 64/02/02 TYPED OR PRINTED FULL NAME & SIGNATURE
TER	NAME AVITA'S CAROOO 10 93 89
TRANSPORTER I	ADDRESS
NNS	CITY, STATE, ZIP , SAN PEDRO, CA 90731 PICKUPDATE 04-02-02
E E	PHONE NO. (3/0) 901-4400 Bensomin Avila 04-02-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME EPA
OR I	ADDRESS SERVICE ORDER NO.
TRANSPOF II	CITY, STATE, ZIPPICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	U () L
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD LANDFILL I OTHER
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOO)) 222-2964 COMA OSHUNORY YIDIOZ TYPED OF PRINTED FULL NAME & SIGNATURE PLATE
ř	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) CHEMICAL WASTE MANAGEMENT, INC. TIME DATE COMMODITY: HAZARDL WASTE WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 186962 DEPUTY WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 15:19 42.37 Kon YARD15#55 04/02/02 PROFILE NO RECEIPT #

> 3/03 3VH BR 1530

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SAM Tail BOCK! NITHACT Canchete 1xL857

JDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.133661 NH1809692

HAZADDOLIC WASTE DATA

- 1	NON-HAZARDOUS WAS IE DATA	<u>FUNIM</u>
	NAVAL BASE VENTURA COUNTY PROFILE#	
	ADDRESS 1000 23RD AVE	61700 23323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHON	ENO. 805/989-9352
ATOR		EIGHT/TONS 24.36 TONS
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE	PPM %
	COMPONENÇO I MAGIL	an gira - a sama ang di Filip Bara i Ang kanalang di Anggarang di Anggarang di Anggarang di Anggarang di Anggar Anggarang di Anggarang
COMPLETED	2.	A CONTRACTOR OF THE STATE OF TH
E CON	VOC-OVA READINGS	
то ве	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	04/02/02 DATE
LER	NAME RON BLAND BOY CAR	00/06641
POR I	ADDRESS 14286 CRisswell 2) . SERVICE ORDE	R NO
TRANSPORTER I	PHONE NO. 209 826 S123 PICK UP DATE TYPED OR PRINTED FULL NAME & SIGNATURE	04-02-02 04-02-02 DATE
TER	NAME EPA I.D. NO.	
POR	ADDRESS SERVICE ORDE	R NO
TRANSPORT II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	FPA (T Ø Ø Ø 6 4 6 1 1 7
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
Ë	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	OTHER
TSD FACILITY	PHONE NO (BOO)) 222-2964 COM ashworth	1/2/02
TSD	TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE
	C/O RT/CD HWDF NONE	
	TRANS S B	
	DISCREPANCY	

CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE COMMODITY: HAZARDO ASTE DEPUT 35251 Old Skyline Road. Kettleman City, CA 186965 WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASIER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 81080 lb 54 ton NET: YARDAGE GENERATOR PROFILE NO

Zland

3/03 3VH BF 1528 CA

Ben la 18er Ashalt Concort 9894339

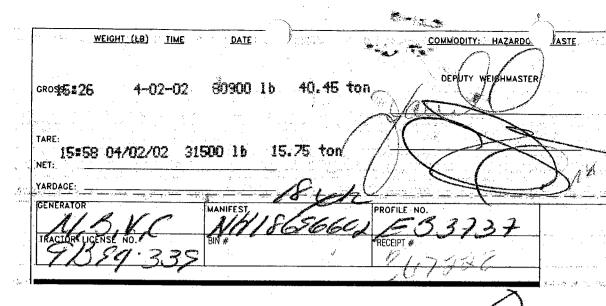
DC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

No.13366:

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18696602

	HOIT IN LET HIDOGO WACIE BAWAT OTHER
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
•	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 805) 989-9352
GENERATOR	CONTAINERS: No
Ü	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL GENERATING PROCESS
B	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
ETED	1
COMPL	2 4
BE CC	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	PROPERTIES: pH QSOLID
·.	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TRANSPORTER I	NAME Row BIAND Tructing ID CARON 106641 ADDRESS 1956 Chiswell Road SERVICE ORDER NO.
NSP(CITY, STATE, ZIP LOS BANOS, CA. 93635 PICK UP DATE 04/02/02
TRA	PHONE NO. 1208) 826-0223 ROUNTE BLAND Rounte Blang. 04/02/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
rer	NAME
	ADDRESSSERVICE ORDER NO
NSP I	7 CITY, STATE, ZIP
TRANSPORT	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	CHEMICOL HOSTE MONOCEMENT MUS
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD XLANDFILL OTHER
S C	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO (800)) 222-2964 COM OSTANTIN 4/2/02 TYPED OF PRINTED FULL NAME & SIGNATURE 4/2/02
13	GEN OLD/NEW L A IONS
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY



CHEMICAL WASTE MANAGEMENT INC. 35251 Old Skyline Road Kettleman City, CA

86966

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured; or counted by a WEIGHMASTER, whose algnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. Toommencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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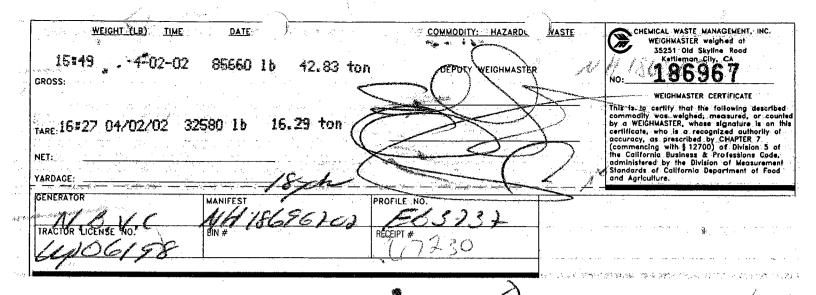
JDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH 18696702

	HON-HALAHDOOG TITTOT TOT TIME
	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (805) \$87.9258
GENERATOR	CONTAINERS: No
B A	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM %
COMPLETED	1
BE CC	VOC-OVA READINGS
7	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
-	PROPERTIES: PH DSOLID DIQUID SLUDGE DSLURRY DOTHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING HANDLING
EB	NAME L&D Transport De Carooo 93492
TRANSPORTER I	NAME L&D Transport No. Carollo 93492 ADDRESS 29590 Mira Loma Dr. SERVICE ORDER NO.
INSP	CITY STATE ZIP 3 Temperula - A 92592 PICKUP DATE DVI - D2 - 02
TRA	PHONE NO. 909) 239-7117 LUIS ESCOLETO LILICUSTICO O4-02-09 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
ER	NAME NO.
TRANSPORT	ADDRESS SERVICE ORDER NO
INSF	CITY, STATE, ZIP PICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA ID NO. CATQQQ645117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
}	ADDRESS 35251 OLD SKYLINE ROAD SANDFILL OTHER
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO (800)) 222-2964 CAOPA AShworth 9/02/02
SDF	TYPED ON PRINTED FULL NAME & SIGNATURE DATE
	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY



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JDC SPECIAL WASTE SERVICES

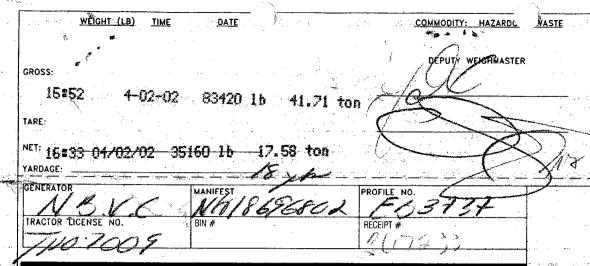
A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13366

NH18696802

	NAVAL BASE VENTURA COUNTY	ROFILE#EB3737 SITE:SAME
	1000 2300 AUE	EPA CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (855989 9258
GENERATOR	CONTAINERS: No	WEIGHT/TONS 24.36 TONS
GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
B	· · · · · · · · · · · · · · · · · · ·	ITS OF WASTE PPM %
COMPLETED	1.1 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	
	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	Ø43
	PROPERTIES: pH	
	USE PROPER FPE DURING HANDLING HANDLING:	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	John 1/2 /2002
ER	NAME LES trucking	EPA CAL 000240049
TRANSPORTER I	ADDRESS 12442 DEL RIO	SERVICE ORDER NO.
NSP	CITY, STATE, ZIP ! NORWALL CA 90650	PICK UP DATE 4 - 2 - 200 2
TRA	PHONE NO. (562) 884-7012 GERBER ROSALES TYPED OR PRINTED FULL NAME & SIGNATURE	A-2-2002 DATE
E E	NAME	EPA I.D. NO.
. .	ADDRESS	SERVICE ORDER NO.
II		PICK UP DATE
TRANSPOR II	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA NO. CAT000645117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
ΣĽ	ADDRESS 35251 OLD SKYLINE ROAD	Mandfill Other
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO (\$00) 222-2964 COM OSHWO(\$1) TYPED OF PRINTED FULL NAME & SIGNATURE	4/02/03 DATE
TS	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
	DISCREPANCY	



CHEMICAL WASTE MANAGEMENT, INC:
WEIGHNASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

196968

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE
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Gerber Lys

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BEN Saltolll SIPPACT Concrete

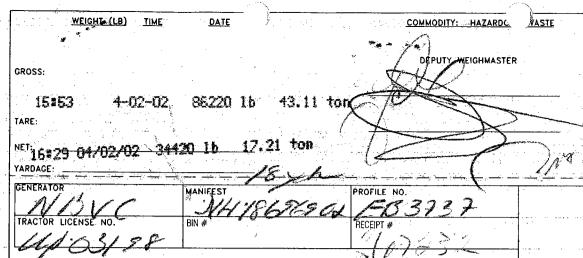
OC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18696902

	NON-HAZAHDOGG WAGIE DI WALLEN
	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE CA 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. \$05.949-9352
e e	CONTAINERS: No
BAT	TYPE:
GENERATOR	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
) BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1 3
JWC	2
BEC	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH SOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
TER	NAME L.S. D. Transport ID Car 000093497
POR	ADDRESS 29590 MITA HOLA DT. SERVICE ORDER NO
TRANSPORTER I	CITY, STATE, ZIP 5 TO ME CY/A (A. 1254) PICKUP DATE 7 4-202 PHONE NO. (909) 260-68/6 JUAN ESCO/LIFO 9000
ļ	TYPED OR PRINTED FULL NAME & SIGNATURE EPA
TER	NAME I.D. NO.
SPOI	ADDRESSS
TRANSPORTE	PICK UP DATE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA No. CAT000646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD 19 ANDFILL OTHER
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 (AMA) 222-2964 COCC OSC OSC 2004 4/02/02
TSD FACILITY	PHONE NO. TYPED OF PRINTED FULL NAME & SIGNATURE DATE
-	TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY



CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skyline Road
Kettlemin Ciby. CA

186969

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
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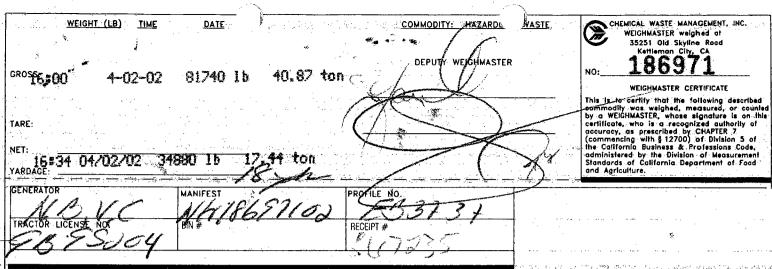
DC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18697102

* 2.5	INCIN TITALE WITE GOO TO AGE 1 = 7 =	
		PROFILE#EB3737 SITE:SAME
1. 1 m 1. 1 1. 4		CA6170023/323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 8051989-9352
GENERATOR	CONTAINERS: No	WEIGHT/TONS 23.61 TONS
S. E.	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS	
тер ву	COMPONENTS OF WASTE 1 3	TISUP WASIE
COMPLETED	2 4.	
BE CO	VOC-OVA READINGS	
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	Ø43
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PFE DURING HANDLING	
:	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	1. Level 04/02/02
TER	NAME CEM + RUCKING	ID CLAIR OUXX 93385
TRANSPORTER I	ADDRESS 8542 La Sierra ave	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP Whittier Wa GOBOS	PICK UP DATE 4-2-02
	PHONE NO. (310) 489-6842 ARMANDO REDVIQUEZ TYPED OR PRINTED FULL NAME & SIGNATURE	Clima & Kly 4-2-02 DATE
TER	NAME	EPA I.D. NO.
TRANSPOR	ADDRESS	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP	PICK UP DATE
뚜	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA 1.D. NO. CAT 0 0 0 6 4 6 1 1 7 DISPOSAL METHOD
TSD FACILITY	ADDRESS 35251 OLD SKYLINE ROAD	MANDFILL OTHER
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
io FA	PHONE NO (BOO)) 222-2964 Coord Oshword TYPED OF PRINTED FULL NAME & SIGNATURE	4/2/02 DATE
E	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
1	DISCREPANCY	



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3/03 30H BR 1405

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JDC SPECIAL WASTE SERVICES WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH869)202

GENERATOR	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (85)989/9258
	CONTAINERS: No
	TYPE:
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
COMPLETED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	1
	2
E CO	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
-	PROPERTIES: pH SOLID
	USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE STEWANC. NCAPEL Shad NC (and 4/2/2005)
	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE DATE
TRANSPORTER I	NAME BAIRES TRUCKING ID. CAR 000112425
POF I	ADDRESS BAKERS FIELD CA. SERVICE ORDER NO.
ANS	CITY, STATE, ZIP_9 PICK UP DATE 4/2/07
	PHONE NO. (661) COSY - 0924 CARLOS BAIRES GONOS BAIRES DATE DATE
TER	NAME
POF	ADDRESS SERVICE ORDER NO
TRANSPOR II	CITY, STATE, ZIPPICK UP DATE
<u>E</u>	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	CHEMICOL WOSTE MONOGEMENT-VHE
TSD FACILITY	NAME TO BE AND THE PROPERTY OF
	ADDRESS 33231 OLD SKYLINE ROHD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
FAC	PHONE NO. (βØ)(0) 222-2964 Copra ashworth 4/02/02
TSD	TYPED ON PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS DATE
	TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY

WEIGHT (LB) TIME DATE COMMODITY: HAZARDO VASTE **DEPUTA** WELCHMASTER GROSS-01 4-02-02 79080 lb 39.54 ton TARE: 16.70 ton 16:37 04/02/02 33400 lb NET: MG YARDAGE: GENERATOR PROFILE NO. RECEIPT #

35251 Old Skyline Road Kettleman City, CA 369

CHEMICAL WASTE MANAGEMENT, INC.

WEIGHMASTER CERTIFICATE

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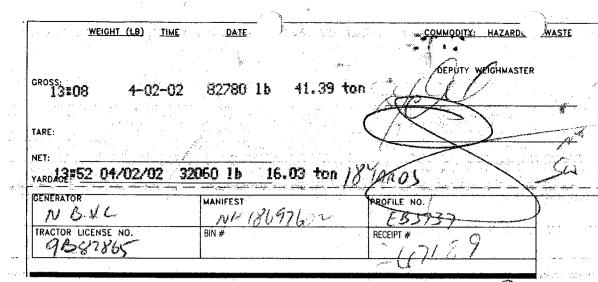
3103 34H B18 1606 CA

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BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 NH 18697602

		PROFIL F#FD2727
TOR	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	1000 23RD AVE	EPA CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$051989-8352
	CONTAINERS: No. 201 DT VOLUME/CY 20018	Y WEIGHT/TONS
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
COMPLETED BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS	ENTS OF WASTE PPM %
	COMPONENTS OF WASTE	
	1	
	2	
BE (VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH SOLID UQUID USLUDGE USLURRY UOTHER	
	HANDLING INSTRUCTIONS:	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOY J. SAWRLE HOLD TYPED OR PRINTED FULL NAME & SIGNATURE	1) Secolar 4/02/02 DATE
TRANSPORTER I	NAME SJ PEREZ & Sons TKN	000 209450
Š	ADDRESS	_ SERVICE ORDER 149882865
NSI	CITY STATE, ZIP, STOCKTON CA.	PICATUP DATE
TRA	PHONE NO. 209) 6015893 Variel Gaver - Varied or PRATED FULL NAME & SIGNATURE	Jones 402/02
TER	NAME TO A STATE OF THE PARTY OF	EPA I.D. NO.
IH(ADDRESS	SERVICE ORDER NO.
TRANSPORT	CITY, STATE, ZIP	PICK UP DATE
AN	PHONE NO. ()	
<u> </u>	PHONE NOTYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		PA NO. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
TSD FACILITY	ADDRESS 35251 OLD SKYLINE ROAD	
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	0/ //-/25
	PHONE NO (BØ1Ø1) 222-2964 TYPED PAPRINTED FULL NAME & SIGNATURE	912102 DATE
TSE	GEN OLD/NEW L A TONS	
	TRANS S B	



CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
S\$251 Old Skyline Road
Kettleman City, CA

• <u>186976</u>

WEIGHMASTER CERTIFICATE

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BAON SON

JDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13364:

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS	EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$\sqrt{35}\qquad 985-9352
GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 24.63Tows
à	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESSION COMPONENTS OF WASTE PPM % COMPONENTS	SSNENTS OF WASTE PPM %
COMPLETED	1 3 2 4	
BE CO	VOC-OVA READINGS	
PORT HUENEME, CA 93043		
	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS:USE PROPER PPE DURING HANDLING	100
i '	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.	1 Sewed 7/02/02 DATE
TER	NAME SIMON & Some Tracking	E CAR000043229
SPOF	CITY STATE, ZIP A VENAL CL	SERVICE ORDER NO
TRANSPORTER	PHONE NO. (559 386 4269 PAULINO SOLOTIVED TYPED OR PRINTED FULL NAME & SIGNATURE	Jan DATE
TER	NAME	EPA I.D. NO.
POR	ADDRESS	SERVICE ORDER NO.
TRANSPORT	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATE
		EPA I.D. NO. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD CITY STATE, ZIP KETTLEMAN CITY, CA 93239	XLANDFILL OTHER
TSD FACILITY	PHONE NO. (ΔΕΡΕΙ) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE	Th 4/2/07
TSI	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE DISCREPANC	,

WEIGHT (LB) TIME DATE COMMODITY: HAZARDE WASTE DEPUTY WEIGHMASTER 80880°1b 40.44 ton GRO§3:09 4-02-02 TARE: 31900 1b 15.95 ton /4/05 YARDAGE: GENERATOR WH 18697702 PROFILE NO. NBVC TRACTOR LICENSE NO. RECEIPT # 904874

CHEMICAL WASTE MANAGEMENT, INC. 35251 Old Skyline Road Kettleman City, CA 186977

WEIGHMASTER CERTIFICATE

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DC SPECIAL MASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

928496/ No.13365; NH18697802

DATA FORM

COMPLETED BY GENERATOR	NAVAL BASE VENTURA COUNTY NAME PROFILE B3737 SITE: SAME	
	ADDRESS 1000 23RD AVE 10. C A 6 1 7 0 0 2 3 3 2	3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE NO. 805)989-93	52
	000000000000000000000000000000000000000	ons
	TYPE: ROLL-OFF TRUCK DUMP DRUMS CARTONS OTHER	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	·
	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %	
	3	
	VOC-OVA READINGS	
ro BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
μ.	PROPERTIES: pH QSOLID	
	USE PROPER PPE DURING HANDLING HANDLING INSTRUCTIONS:	<u></u>
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TOP TOP THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TOP TOP TOP TOP TOP TOP TOP TO	102 NE
TER	NAME WHITES TRUCKING EPA CAR DOOD 9691	77
POR	ADDRESS 28839 Plower park on SERVICE ORDER NO. SERVICE ORDER NO. OH-Z-	
TRANSPORTER I	CITY, STATE, ZIP 1 CAN 40 N COUNTRY CA 9DJ PICKUP DATE 109-2	2-0
		ATE
TER	NAME EPA I.D. NO.	
TRANSPOR	ADDRESS SERVICE ORDER NO	
ANS	CITY, STATE, ZIP PICK UP DATE	
T.	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DA	NTE
	SUEMICOL HOSTE MONOSEMENT MUS	7
<u>Ł</u>	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD	
	ADDRESS 35251 OLD SKYLINE ROAD SLANDFILL OTHER	
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (BOO) 322-2964 COO (Shwoth 1/2) TYPED OR FINITED FULL NAME & SIGNATURE DA TYPED OR FINITED FULL NAME & SIGNATURE	102
	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME DATE COMMODITY: HAZARD WASTE DEPUTY WEIGHMASTER 42.23 ton 84460 lb GR0494#02 4-02-02 TARE: NET: 33000 16 16.50 toh?"

MANIFEST

NH 1869782 YARDAGE: GENERATOR TRACTOR LICENSE NO. RECEIPT #

4

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA

1. 44

WEIGHMASTER CERTIFICATE

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Moncre white

BROWN SOIL

BDC SPECIAL WASTE SERVICE A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.13365 No.13365

E COMPLETED BY GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE NO. 8051999-9352
	CONTAINERS: No
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	1
	2
	VOC-OVA READINGS
10 BI	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
F	PROPERTIES: pH QSOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TOTAL DATE TOTAL
EE .	NAME DYN TRUCKING BCAROSOS 966 ZF
TRANSPORTER I	ADDRESS 1317 HOCKNEY CT SERVICE ORDER NO.
NSP I	CITY, STATE, ZIP , Dalmodale CA 93530 PIGKURDATE 4/2/82
IRA	PHONE NO. (66) 570 6093 Darrell Newson Wmel/ 2/ 2/0
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
RTER	NAME EPA I.D. NO.
	ADDRESS SERVICE ORDER NO
TRANSPO II	CITY, STATE, ZIPPICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA NO. CATOOO646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
≥	ADDRESS 35251 OLD SKYLINE ROAD SKANDFILL OTHER
<u> </u>	CITY STATE ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	(2000) $(222-2964)$ (2000) (25) (300) (25)
TSC	GEN OLD/NEW L A TONS TYPED OLD/NEW L A TONS DATE
	TRANS S B ST/CD HWDF NONE
	C/O RT/CD HWDF NONE DISCREPANCY

WEIGHT (LB) WASTE TIME DATE COMMODITY: HAZARD 14:06 4-02-02 WEIGHMASTER 85340 lb 42.67 ton GROSS: TARE: 16.00 ton /100 32000 lb YARDA4639 04/02/02 MANIFEST PROFILE NO. E \$5737 RECEIPT (TRACTOR LICENSE NO.

CHEMICAL WASTE MANAGEMENT; INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO:____

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

3/03 3/11 B/6: 14/5

BRUNN SOIL WIRDUR

SDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 NH18098202

	HON-HAZAHDOOU HAGIL/DA	
		DFILE#EB3737 TE:SAME
e e	1000 23RD AVE EPA I.D. NO.	CA6170023323
-1 <u>-</u>	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (\$25,979-9258
GENERATOR	CONTAINERS: No	weight/томв <u>23.5 Том5</u>
B	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF	DF WASTE PPM %
COMPLEIEU	1	
מו ככו	VOC-OVA READINGS	· · ·
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9304	3
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	an McCard 4/1/2002
		CAL 00024 80 49
I		KUP DATE 4-02-02 DATE
	NAME EP	
	the state of the s	AVICE ORDER NO.
		K UP DATE
	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	
-		DISPOSAL METHOD
į	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	ANDFILL OTHER
ואס ראטוניו ז	PHONE NO! (800)) 222-2964 Charper 6	y Barbar 4-02-8
7	GEN OLD/NEW L A TONS	DATE DATE
ŀ	TRANS S B RT/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME DATE WASTE COMMODITY: HAZARDL CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at NEIGHMASTER weigned ui 35251 Old Skyline Road Kettleman City, CA 136982 DEPUTY WEIGHMASTER GROSS: WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7.

(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 16:34 TARE: 40.43 ton YARDAGE 57 04/02/02 PROFILE NO

> 3/03 341 B18 16:39

Ben soil & Ul Asphact Cantholo

No.13366

BDC SPECIAL WASTE SERVICES

WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702

X/H/8/8/830 2

NON-HAZARDOUS WASTE DATA FORM

(626) 969-1384 • FAX (626) 969-4971

	NON-MAZARDOUS WASTE DATA TOTIM
i Ose i	NAVAL BASE VENTURA COUNTY NAME PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 05)989-935
GENERATOR	CONTAINERS: No
ERA	TYPE: ROLL-OFF TRUCK DRUMS CARTONS OTHER
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
TED BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % 1
PLE	4
BE COMPLETED	VOC-OVA READINGS
10 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
·	PROPERTIES: pH SOLID
	USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. DATE
ËR	NAME Garside+5043 EPA CA/000231345
TRANSPORTER I	ADDRESS 7500 ROSeduk Hoff SERVICE ORDER NO.
INSP	CITY, STATE, ZIP, B.AKETS FICIA CA PICKUP DATE
TRA	PHONE NO. (661) 496-3167 TYPED OR PRINTED FULL NAME & SIGNATURE DATE DATE
ER	NAME LD.
TRANSPORT II	ADDRESS SERVICE ORDER NO.
NSP(CITY, STATE, ZIPPICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA ID. NO. CAT000546117
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD
ACIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839
TSD FACILITY	PHONE NO! (BOO)) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE DATE TYPED OR PRINTED FULL NAME & SIGNATURE
13	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

CHEMICAL WASTE MANAGEMENT, INC. WEIGHT (LB) TIME DATE COMMODITY: HAZARDO WASTE 35251 Old Skyline Road Kettleman City, CA 186983 DEPUTY WEIGHMASTER 40.40 \ton, 80800 lb 4-02-02 WEIGHMASTER CERTIFICATE WEIGHMASIER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 16.50 ton TARE17#00 04/02/02 33000 1b NET: YARDAGE: GENERATOR

> 3/23 34/4 B/3

HANNACT CONCLET

BDC SPECIAL WASTE SERVICES A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18698402

	NON-HAZARDOUS WAS IE DAIA FORM
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
	ADDRESS 1000 23RD AVE
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. (806) 984 4 258
\TOR	CONTAINERS: No. 001 DT VOLUME/CY 00018 Y WEIGHT/TONS 26.19 TONS
GENERATOR	TYPE: ROLL-OFF THUCK DRUMS CARTONS OTHER
BY G	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	1
COMPLETED	24
E CON	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
; .	PROPERTIES: pH QSOLID
	HANDLING INSTRUCTIONS: USE PROPER PFE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME MARK JUSSEL EPA CAR COOIII 062
POF I	ADDRESS 3433 WAYNES BORD DR SERVICE ORDER NO.
TRANSPORTER I	PHONE NO. (209) 531-2549 MARK JUSSEL PICK UP DATE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
H H	NAME
TRANSPORTER II	ADDRESS SERVICE ORDER NO.
ANSI	CITY, STATE, ZIPPICK UP DATE
T.R.	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA LD C A T Ø Ø Ø E 4 E 1 1 7 DISPOSAL METHOD
≥ .	ADDRESS 35251 OLD SKYLINE ROAD DISPOSAL METHOD
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
) FA	PHONE NO. (BOO) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE BOWLD TO DATE
TSI	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE

WEIGHT (LB) COMMODITY: HAZARDA CHEMICAL WASTE MANAGEMENT, INC. TIME WASTE 35251 Old Skyline Rood Kettleman City, CA 136984 DEPUTY WEIGHMASTER 41.73 ton CROSS #59 83460 lb 4-02-02 WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: 14.74 ton 29480 lb NET: 17:24 04/02/02 YARDAGE: GENERATOR MANIFEST PROFILE NO RECEIPT

> 3/03 SWH 613 17:00

Ben Dil EDUI 11Mact Cancrate

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

DH 18680202

		\
	NAVAL BASE VENTURA COUNTY	ROFILE#EB3737
	ADDRESS _ 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805, 982 -3677
GENERATOR	CONTAINERS: No. <u>001 DT</u> VOLUME/CY <u>00018</u>	WEIGHT/TONS 26,07 TONS
NER.	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCE	ESS
ED	COMPONENTS OF WASTE PPM % COMPO	ONENTS OF WASTE PPM %
PLET	3	
COMPL	2 4	
70 BE	SITE ADDRESS 1000 23RD AVE FORT HUENEME, CA	93043
Η.	PROPERTIES: pH \$\overline{\text{\$\overline{\text{\$\sigma}\$\si	
	HANDLING INSTRUCTIONS:USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	4 Jan 04/03/02
TER	NAME BARBA TRUCKING	EPA CAD 982517005
POR I	ADDRESS PO 13 0x 225	SERVICE ORDER NO.
TRANSPORTER I	CITY, STATE, ZIP : CRESTON CA, 9343? PHONE NO. (805) 238-1225 DAVE BARBA	PICKUP DATE 4-03-02
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
овтев	NAMEADDRESS	EPA NO.
TRANSPORT II	CITY, STATE, ZIP	SERVICE ORDER NO
Ę.	PHONE NO. ()	
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. CATØØØ546117
Ĕ	ADDRESS 35251 OLD SKYLINE ROAD	DISPOSAL METHOD ANDFILL OTHER
VCIE	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839	,
TSD FACILITY	PHONE NO (BOO)) 222-2964 TYPED OR ANNIED FULL NAME & SIGNATURE	209h 4/03/02
12	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE .20 DEPUTY WEIGHMASTER 84220 lb 42.11 ton 4-03-02 GROSS#49 TARE: 15.11 ton PROFILE NO. RECEIPT

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of 35251 Old Skyllne Road Kettleman City, CA 196802

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with £12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

BOUL

1RK 200 11C# 9A7164)

BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.1336

·	TOTAL TITLE TO TO TOTAL	PAIA I UNIV
	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA ID C A 6 1 7 0 0 2 3 3 2 3
_	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$05) 982-3677
GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 25, 18 7 0N
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCE	:SS
ED BY	COMPONENTO OF 144 OPER	NENTS OF WASTE PPM %
COMPLETED	3	
BE CO	VOC-OVA READINGS	
10 E	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	93043
	PROPERTY	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Dewed 04/03/02
TRANSPORTER I	NAME LEH CONSCITTING INC	EPA CAD 982322570
PO I	ADDRESS 245 QUALICT.	SERVICE ORDER NO.
ANS	CITY, STATE, ZIP SANYA PAULA LA 93060	PICK UP DATE 4 4-3-02
H.	PHONE NO. BOS 647-577-5 TYPED OR PRINTED FULL NAME & SIGNATURE	Vagekull 4302
TER	NAME	EPA DATE
	ADDRESS	- NO.
TRANSPOR II	CITY, STATE, ZIP	SERVICE ORDER NO PICK UP DATE
TRA	PHONE NO. ()	FICK UP DATE
	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA NO. <u>CATØØØ646117</u>
≥	ADDRESS 35251 OLD SKYLINE ROAD	DISPOSAL METHOD
딩	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	X LANDFILL □ OTHER
TSD FACILITY	PHONE NO (800) 222-2964 COCO OSN 350	A
TSI	GEN OLD/NEW L A TONS	9/3/02 DATE
	TRANS S B	
	H1/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER 92020 lb 41.01 ton 4-03-02 TARE 13=32 04/03/02 15.91 ton NET: YARDAGE: MANIFEST AT A GENERATOR PROFILE NO.

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of

35251 Old Skyline Road

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7

(commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

sed soil,

IRP SITE 23

BDC SPECIAL WASTE SERVICES

VIAVA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.133588 7*22010* Z

	NON-HAZARDOUS WASTE DATA FORM
	NAVAL BASE VENTURA COUNTY / PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()
GENERATOR	CONTAINERS: No
COMPLETED BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % 1
TO BE CC	VOC-OVA READINGS
	PROPERTIES: pH QSOLID
TRANSPORTER I	NAME
TRANSPORTER II	NAME
TSD FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO! (800)) 222-2964 TYPE OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS TRANS S B C/O HT/CD HWDF NONE DISCREPANCY

WEIGHT (LB) TIME DATE 0998832 3-28-02 80460 16	40.23 ton	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyllne Rood Kettleman City, CA 72201 WEIGHMASTER CERTIFICATE
TARE:17:23 03/28/02 32940 1b NET: YARDAGE:	15.47 ton	A AMERICAN STREET	This is to cartify that the following described commodity was weighed, measured, or counts by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO. BIN #	1778/07	PROFILE NO. ES 313 RECEIPT # 106802	÷

Rick Caballero

3/03 344 BR 1648

Ban Soil BOCK!

BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971 No.133589

г	T	
	NAVAL BASE VENTURA COUNTY (49-1053	PROFILE#EB3737
		SITE:SAME EPA
	ADDRESS 1000 23RD AVE	EPA LD. CA6170033323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (
Œ		
ATC	CONTAINERS: No. <u> ขึ้นใ DT</u> volume/cy <u> ขึ้นใ</u>	118 Y WEIGHT/TONS 23.02 Tows
<u> </u>	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHE	Я
GENERATOR	NON UOT DER CONTOMINATED COTA	
BY G	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL	
	COMPONENTS OF WASTE PPM %	COMPONENTS OF WASTE PPM %
COMPLETED	1 3	
E.		
₩ O	2 4	
ŭ	VOC-OVA READINGS	
BE		EO 83943
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME,	CH 93043
	PROPERTIES: pH Q SOLID LIQUID SLUDGE SLURRY	ОТНЕЯ
•	USE PROPER PPE DURING HANDLING	
	HANDLING INSTRUCTIONS:	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON- LLOYD J. SEWEL	Harl X 200 3/28/02
· .	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATU	IDE DATE
TRANSPORTER I	NAME TREO 1882	EA CAMONE PURT
E	ADDRESS 4108 MAX FIELD DZ	The state of the s
SP(SERVICE ORDER NO.
AN	CITY, STATE, ZIP 1	PICK UP DATE
TA	PHONE NOT Y STATE TYPED ON PRINTED FULL WAME & SIGNATUR	RE DATE
ER		EPA I.D. NO.
NSPORTER II	NAME	NO
P0	ADDRESS ,	SERVICE ORDER NO.
	CITY, STATE, ZIP	PICK UP DATE
TRA	PHONE NO. ()	
-	TYPED OR PRINTED FULL NAME & SIGNATUR	
		IPA NO. CATOOO546117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
È	ADDRESS 35251 OLD SKYLINE ROAD	LANDFILL OTHER
딩	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839	
¥	PHONE NO. (BOO) 222-2964 (AS)	200th = 3/28/2
TSD FACILITY	TYPED OR MINTED FULL NAME & SIGNAT	DATE
-	GEN OLD/NEW L A TONS TRANS S B	
ļ	C/O RT/CD HWDF NONE	
1	DISCRE	PANCY

TARE: NET: 17#30 03/28/02 32620 1b YARDAGE:	16.31 ton	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 72203 WEIGHMASTER CERTIFICATE This is to certify that the following described commodily was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO. BIN #	OF ACT OF RECE	203134	Freds

3/03 3NH E/8 1655 14

Bun killow!

BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

DHO 220 No.133590

		PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA LD. CA6170028323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. ()
GENERATOR	CONTAINERS: No	WEIGHTHONS 23,51 Tours
Ä	NON HAY DED CONTAMINATED COT	
B¥	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENT	TS OF WASTE PPM %
윤		Sold of the second
COMPLETED	1	
MF	2 4	
ВЕСС	VOC-OVA READINGS	
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	043
	PROPERTIES: pH QSOLID QUID QSLUDGE QSLURRY QOTHER	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.	Served 3/28/02
EB	Castalydiation	EM CAR 200092759
TRANSPORTER I	ADDRESS 12,24 House Rt	
SP(21. 811 A 02213	PICK UP DATE 3-29-67
3AN	611 022 022 11	3-28-07
1	PHONE NO. OOU OSS TO STORE TYPED OR PRINTED FULL NAME & SIGNATURE	DATE DATE
ER	NAME	EPA I.D.
SPORTER II	ADDRESS	SERVICE ORDER NO.
ISP(CITY, STATE, ZIP	PICK UP DATE
TRAN	PHONE NO. ()	DATE
Ε	TYPED OR PRINTED FULL NAME & SIGNATURE	
	OUTS AND HOUSE MANAGEMENT 1015	EPA NO CATOOO 646117
> -	NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	DISPOSAL METHOD
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	ALEMOTILL LI OTHER
FAC	PHONE NO (800)) 222-2964 COO OShu)	78h = 3/28/1
SD	14PED ON PRINTED FULL NAME & SIGNATURE	DATE
ř.	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
	DISCREPANCY	

GROSS 55 3-28-02 78320 1b 39.16 ton DEPUTY WEIGHMASTER NO: 72207 WEIGHMASTER CERTIFICAT TARE! 7*36 03/28/02 31260 1b 15.63 ton TARE! 7*36 03/28/02 31260 1b 15.63 ton		·				<u> </u>
TAREL 7 * 36 03/28/02 31260 1h 15.63 ton NET: YARDAGE: GENERATOR MANIFEST TRACTOR LICENSE NO. BIN # This is to certify that the following commodity was weighed, measured by a WEIGHMASTER, whose signature certificate, who is a recognized our carridge, as prescribed by CHAPTE (commencing with § 12700) of Division of Mission of Mission of Weight and Agriculture. TRACTOR LICENSE NO. BIN # RECEIPL# This is to certify that the following commodity was weighed, measured by a WEIGHMASTER, whose signature certificate, who is a recognized our certificate, which is a recognized our certificate, which is a recognized our certificate, which is a recognized our certificate, which is a recognized our certificate, which is a recognized our certificate, which is a recognized our certi			39.16 ton		ASTE	WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
TRACTOR LICENSE NO. BIN# RECEIPT# RECEIPT#	NET:	31260 lb 15.0	53 ton Sælk	Spark		by a WEIGHMASTER, whose signatur. certificate, who is a recognized au accuracy, as prescribed by CHAPTE (commencing with § 12700) of Divis the California Business & Professior administered by the Division of Mec Standards of California Department
	Nobel C	MHO	JUCYCJ	E03771		

3/03 Br.

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BDC SPECIAL WASTE SERVICES NO.133579

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

I	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. ()
GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 23.79 Tows
띯	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SGIL GENERATING PROCES	
ЭВУ	'	NENTS OF WASTE PPM %
COMPLETED	1 3	·
M	2 4	
BE CC	VOC-OVA READINGS	
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA S	33043
F	PROPERTIES: pH QSOLID	
	USE PROPER PPE DURING HANDLING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Dewell 3/28/02
띮	NAME MIKE RHOADS	EAR 00009 1140
CHC C	1 3250 PN 137	
	02000	SERVICE ORDER NO
SP I	1 VISALIA CA 93292	2/28/22
RANSP I	PHONE NO. (537) 733-1439 MAR RHONUS.	PICK UP DATE 3/28/02 3/28/02
TRANSPORTER I	PHONE NO. (597.) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE	MIKE RHOADS 3/28/02.
	PHONE NO. 659) 733-1439 MAR RHONGS.	MIKE RHOADS 3/28/02
	PHONE NO. (597) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS	MIKE RHOADS 3/28/02.
	PHONE NO. (597) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS 3	MIKE RHOADS 3/28/02 DATE EPA I.D. NO. SERVICE ORDER NO.
NSPORTER II	PHONE NO. (597.) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL, NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP	MIKE RHOADS 3/28/02 DATE EPA ID. NO.
	PHONE NO. (597) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP	MIKE RHOADS 3/28/02 DATE EPA I.D. NO. SERVICE ORDER NO. PICK UP DATE
NSPORTER II	PHONE NO. (597.) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. ()	MIKE RHOADS 3/28/02 DATE EPA SERVICE ORDER NO. PICK UP DATE DATE
TRANSPORTER II	PHONE NO. (597) 733-1439 TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF	MIKE RHOADS 3/28/02 DATE EPA ID. NO. SERVICE ORDER NO. PICK UP DATE
TRANSPORTER II	PHONE NO. (597) 733-1439 MAR RHONGS. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	MIKE RHOADS 3/28/02 DATE EPA I.D. SERVICE ORDER NO. PICK UP DATE DATE EPA I.D. LO. C A T Ø Ø Ø 6 4 6 1 1 7
TRANSPORTER	PHONE NO. (597) 733-1439 TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF	MIKE RHOADS 3/28/02 DATE EPA D. D. D. D. D. D. D. D
TRANSPORTER	PHONE NO. 697) 733-1439 TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	MIKE RHOADS 3/28/02 DATE EPA D. D. D. D. D. D. D. D
NSPORTER II	PHONE NO. 697) 733-1439 PHONE NO. 697) 73	MIKE RHOADS 3/28/02 DATE EPA D. D. D. D. D. D. D. D
TRANSPORTER	PHONE NO. 697) 733-1439 PHONE NO. 697) 733-1439 PHONE NO. TYPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (600)) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS TRANS S B	MIKE RHOADS 3/28/02 DATE EPA D. D. D. D. D. D. D. D
TRANSPORTER	PHONE NO. 697) 733-1439 PHONE NO. 697) 73	MIKE RHOADS 3/28/02 DATE EPA D. D. D. D. D. D. D. D

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WEIGHT (LB) TIME CROSS: 258 3-29-02	<u>DAȚE</u>	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
TARE: 12:31 03/28/02 312	79120 lb 39.56 to 00 lb 15.60 ton	" Pat	WEIGHMASTER CERTIFICATE This is to certify that the following descricemmedity was weighed, measured, or certificate, who is a recognized authority accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5.
YARDAGE:	18zdi	(-Z^ <u>`</u>	the California Business & Professions Cod administered by the Division of Measurem Standards of California Department of For and Agriculture.
N.B.V.C	IN#	PROFILE NO. 32 RECEIPL#	*
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3/03 3/11 B/E 1209

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BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

A WASTE MANAGEMENT COMPA

NH0720702NO.133578

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()
GENERATOR	CONTAINERS: No
BY GEN	WASTE DESCRIPTION NON HAZ FCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	1
COMPLETED	2
BE	VOC-OVA READINGS
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH CSOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME JJ PEREU & Sons TEN ED 000249450
POF	ADDRESS SERVICE ORDER NO.
TRANSPORTER I	CITY, STATE, ZIP, STOCK TON CA- PHONE NO. (209) 601 5893 DEPONEL - D. Horrey 3/28/02
	NAME
NSPORTER II	NAME
ISP(CITY, STATE, ZIP PICK UP DATE
TRAN	PHONE NO. ()
-	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
<u> </u>	ADDRESS 35251 OLD SKYLINE ROAD
TSD FACILITY	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
SDF	PHONE NO. (BOW) 222-2964 COCA USh JOCH 3/28/02
F	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) TIME DATE 12:14 3-28-02 80280 1b 40.14 ton GROSS: TARE:12:53 03/28/02 33060 1b 16.53 ton NET: YARDAGE:	DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA T2227 WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
MACHER WILLIAM C MHODDEN	533337 566711	

BIM Soil BUNI

BDC SPECIAL; WASTE SERVICES

A WASTE MANAGEMENT COMPANY

No.133582 107222802

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NON-HAZARDOUS WAST

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE CA 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93/043 CONTACT: PHONE NO. ()
ENERATOR	CONTAINERS: No
Æ	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
쀨	THE LINGUIST
병	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
l À	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
	COMPONENTS OF WASTE
COMPLETED	1 3
<u> </u>	
NO	4
	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
F	PROPERTIES: pH QSOLID
	PHOPEHILES: pH USOLID CISCODGE CISCOHRY CIOTHEH
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE KLOYD J. SEWBLE HOUSE SEED 3/28/02
	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
ER	NAME DAB Trucking BO CAR000105965
TRANSPORTER I)
SP.	ADDRESS SERVICE ORDER NO CITY, STATE, ZIP : Union City Ca PICK UP DATE
Ä	
E	PHONE NO. (5/0) 377-3978 Thomas M. Men Thomas Miller 3-28-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
Œ	NAME
SPORTER II	NAME
요ㅂ	ADDRESS SERVICE ORDER NO
 2	CITY, STATE, ZIPPICK UP DATE
TRA	PHONE NO. ()
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA NO. C A T Ø Ø Ø 6 4 6 1 1 7
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
≧	ADDRESS 35251 OLD SKYLINE ROAD YOLANDFILL 🗆 OTHER
긎	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (800) 222-2964 Capa ashwork = 3/28/07
SD	TYPED OF TRINTED FULL NAME & SIGNATURE DATE
ř	GEN OLD/NEW L A TONS TRANS S B
	TRANS
	DISCREPANCY
	i · · · · · · · · · · · · · · · · · · ·

TARE: YARDAGE:	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to cartify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this extilicate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 commencing with § 12700) of Division 5 of the California Business & Professions Code. The California Business & Professions Code. Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO. BIN # RECEIP!#	₹

Thomas. DAB

3/03 3/11/ BR 1028

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BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

No.133581 NH07222902

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737	7
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1 7 0 0 2 3 3 2 3	
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()	
GENERATOR	CONTAINERS: No. MO1 DT VOLUME/CY MO18 V WEIGHT/TONS 22.03 TON	5
	WASTE DESCRIPTION NON HAZ FOR CONTAMINATED SOIL GENERATING PROCESS	
р ВУ	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %	
COMPLETED	1	l
MPL	2	
BE CO	VOC-OVA READINGS	
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
•-	PROPERTIES: pH ÇSOLID	
	USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
Ä	NAME B& M- MARTIN EPA CAROOOD87734	1
TRANSPORTER I	ADDRESS 1685 WAGNER DR. SERVICE ORDER NO.	
ANSF	CITY, STATE, ZIP TURLOCK (Q:) PICK UP DATE 3-28-01	
TR/	PHONE NO. 480-340 MATIN HOTILLE Hartin Truggillo 3-38-02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
TER	NAME EPA I.D. NO.	1
NSPORTER II	ADDRESS SERVICE ORDER NO.	
	CITY, STATE, ZIPPICK UP DATE	
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
	NAME CHEMICAL WASTE MANAGEMENT-KHF	
	ADDRESS 35251 OLD SKYLINE ROAD DISPOSAL METHOD	
CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	İ
TSD FACILITY	PHONE NO. (AUM)) 222-2964 COCA OS LOCA TYPED OF PRINTED FULL NAME & SIGNATURE 3/88/07	
TS	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE	
	DISCREPANCY	1

12:24weight (2) 28th/ft 779419	1b 38.80 ton	COMMODITY! HAZARDOUS WASTE,	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251. Old Skyline Road Kettleman City, CA NO:
TARE: 3105 03/28/02 33420 1b	16.71 ton		WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or count by a WEIGHMASTER, whose signature is an it certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code.
YARDAGE: MANIFEST	18416	ROFILE NO.	administered by the Division of Measurement Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO. BIN#		RECEIPT # 14	के
			A :

Martin Bam

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No.133580

BDC SPECIAL WASTE SERVICES WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NHO 7223002

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
	ADDRESS 1000 23RD AVE EPA NO. C A 6 1 7 0 0 2 3 3 2 3
*!	CITY, STATE, ZIP FORT HUENEME, CA 93/243 CONTACT: PHONE NO. ()
GENERATOR	CONTAINERS: No
ENE	
B	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
BE COMPLETED	1 3
OMP	4
Ë	VOC-OVA READINGS
10 8	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH QSOLID LIQUID SLUDGE SLURRY OTHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LAOY J. SEWELL Hoy J. Sewell 3-28-04. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME April Showler Invelving 18 CAROCO 111542
POR I	ADDRESS 3.372 OAKdale Water Sort HW service ORDER NO.
TRANSPORTER I	PHONE NO. (209) 595-1797 Daniel Mirande Many Merante 3/28/07
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE DAYE
PORTER II	NAME
POI	ADDRESS SERVICE ORDER NO
ANS	CITY, STATE, ZIPPICK UP DATE
TRAN	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA I.O. CATQQ0646117
·	NAME CHEMICAL WASTE MANAGEMENT-KHF NO. CATOO 6 4 6 1 1 7 DISPOSAL METHOD
Ē	ADDRESS 35251 OLD SKYLINE ROAD DYLANDFILL O OTHER
CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
TSD FACILITY	PHONE NO. (BOO)) 222-2964 COCA CSNUOCH 3/28/02 TYPED OMPRINTED FULL NAME & SIGNATURE DATE
S	GEN OLD/NEW L A TONS
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE 12*22 3-28-02 75000 lb 37.50 ton DEPUTA WEIGHMASTER CROSS: TARE: 13*08 03/28/02 31500 lb 15.75 ton NET: YARDAGE:	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Protessions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
IRACTOR LICENSE NO. BIN # RECEIPT THE COLUMN TO THE COLUMN THE	

Daniel Bhows

3VH 3/03 3K BA 1232 0A

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BDC SPECIAL WASTE SERVICES

VAVA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.133584

1	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737
,	NAME	SITE:SAME
	1000 23RD AVE	EPA CA617002 323
	ADDRESS	NO.
	CORT NUMBER OF BOARD CONTACT	, , /
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. ()
l oc		/
2	CONTAINERS: No. 001 DT VOLUME/CY 2001	WEIGHTHONS 19.64 TOWS
	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
· 🛎	TYPE: HOLL-OFF K TRUCK DRUMS CARTONS OTHER	
GENERATOR	en en en en en en en en en en en en en e	
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	
}	COMPONENTS OF WASTE PPM % COMPONE	NTS OF WASTE PPM %
	<u> 1</u>	
<u>"</u>		
<u>4</u>	2 4′	
COMPLETED		•
ျှ	VOC-OVA READINGS	
BE		
ု ဥ	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93	3043
-	PROPERTIES: pH QSOLID	
	PROPERTIES: pH QSOLID	
	USE PROPER PPE DURING HANDLING	
	HANDLING INSTRUCTIONS:	
	THE GENERATOR CERTIFIES THAT THE 1/1 1 7 - CO 1/2 1	M() m 360/00
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD TYPED OR PRINTED FULL NAME & SIGNATURE	of sevely 0/28/02
		V
E	NAME JASPIN TRANSPORTATION (154988075)	CAL 000173177
E		No. C7:2 000173777
TRANSPORTER I	ADDRESS 7948 Keithwinney Ctr	SERVICE ORDER NO.
<u>S</u>	CITY STATE, ZIP. Sacramento Ca 95829	PICKUP DATE 03/28/02
Æ		
l E	PHONE NO. 916) 681 6231 JASVIR THANDE TYPED OR PRINTED FULL NAME & SIGNATURE	03/28/02
~		
		FPA (
岜	NAME	EPA I.D. NO.
RTE		No.
PORTER	ADDRESS	I.D. 1
S		No.
S	ADDRESS	NO. SERVICE ORDER NO
TRANSPORTER II	ADDRESS 3	NO. SERVICE ORDER NO
S	ADDRESS CITY, STATE, ZIP PHONE NO. ()	SERVICE ORDER NO. PICK UP DATE DATE
S	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	NO. SERVICE ORDER NO
S	ADDRESS CITY, STATE, ZIP PHONE NO. ()	SERVICE ORDER NO
TRANS	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT—KHF	SERVICE ORDER NO. PICK UP DATE DATE EPA I.D. C. A. T. W. W. E. 4. E. 1. 1. 7 DISPOSAL METHOD
TRANS	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD	PICK UP DATE DATE EPA I.D. NO. C. A. T. Ø. Ø. E. 4. E. 1. 1. 7.
TRANS	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT—KHF	DATE PICK UP DATE DATE DATE C A T V V & E 4 E 1 1 7 DISPOSAL METHOD DISPOSAL METHOD
TRANS	ADDRESS	SERVICE ORDER NO. PICK UP DATE DATE EPA I.D. NO. CATON SE46117 DISPOSAL METHOD MALANDFILL OTHER
TRANS	ADDRESS	DATE PICK UP DATE DATE DATE C A T V V & E 4 E 1 1 7 DISPOSAL METHOD DISPOSAL METHOD
S	ADDRESS	DATE PICK UP DATE DATE DATE C A T V V & E 4 E 1 1 7 DISPOSAL METHOD DISPOSAL METHOD
TRANS	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY. CA 93239 PHONE NO. (1980) 222-2964 TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS S B	DATE PICK UP DATE DATE DATE C A T V V & E 4 E 1 1 7 DISPOSAL METHOD DISPOSAL METHOD
TRANS	ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY. CA 93239 PHONE NO. (1980) 222-2964 TYPED ORPHINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE PICK UP DATE DATE DATE C A T V V & E 4 E 1 1 7 DISPOSAL METHOD DISPOSAL METHOD

WEIGHT (LB) TIME GROS 2 36 3-28-02	70820 lb	35.41 ton	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Keitleman City, CA NO: 72232 WEIGHMASTER CERTIFICATE This is to certify that the following described
TARE: NET: YARDAGE 25 03 29/02 3		Sierker		commodity was weighed, measured, or count by a WEIGHMASTER, whose signature is an it certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO.	MANIFEST MANIFEST BIN #	BULL	ROFILE NO. SECURITY S	
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BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

9894339

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NHO702 830576

	The state of the s							
	NAVAL BASE I	ZENTURA	COUNTY				PROFILE#EB3737 SITE:SAME	
	ADDRESS 1000 23RD	AVE		<u> </u>			ID. CA6170	02/3323
	CITY, STATE, ZIP PORT HU	JENEME,	CA 93043	CONT	ACT:	1	PHONE NO.	Lie kay an may , in
GENERATOR	CONTAINERS: N						WEIGHT/TONS_	
GENE	WASTE DESCRIPTION NO							
ED BY	COMPONENTS OF W						NTS OF WASTE	PPM %
COMPLETED	1				3 4.	· · · · ·		
BE COA	VOC-OVA READINGS							
6	SITE ADDRESS 1200	23RD A	VE	PORT i	HUENEME,	, CA. 90	3043	
	PROPERTIES: pH	SOLID	□·LIQUID [SLUDGE [SLURRY	OTHER _		
	HANDLING INSTRUCTIONS: _		OPER PPE	DURING H	ANDLING	11		
	THE GENERATOR CERTI WASTE AS DESCRIBED HAZARDOUS.	FIES THAT T IS 100% NO	TYPED OR	J. J. S	BWEA	S (OC	of Jane	0003/2do2
Œ	NAME ROW BI	and	Track	129			EPA No. CALOOD 10	6641
世	NAME 71-14							
PORTE I	ADDRESS AT 16 C	rema	4 PK				SERVICE ORDER NO.	
ANSPORTE I	CITY, STATE, ZIP JOS 15	gros o	A. 936	25			PICK UP DATE	
TRANSPORTER I	ADDRESS AT 16 C	gros o	4 24. 936 Row		0 P 1/4	Emile [SERVICE ORDER NO.	
 	CITY, STATE, ZIP JOS 15	9423	2. 936 Roma TYPED OF	75 V/E DLA R PRINTED FULL	U P JQ NAME & SIGNA	TURE	PICK UP DATE	03-28/02
 	CITY, STATE, ZIP JOS D	9423	2. 936 Roma TYPED OF	75 V/E DLA R PRINTED FULL	U P JQ NAME & SIGNA	TURE	PICK UP DATE	03-28/02 DATE
NSPORTER II	CITY, STATE, ZIP JOS SI, PHONE NO 009) 226-	9423	7. 936 Rom TYPED OI	75 V/E DL/A	U P JQ NAME & SIGNA	TURE	PICK UP DATE	03-25/02_ DATE
NSPORTER II	ADDRESS	9423	Roma TYPED OI	75 V. E. D. A. R PRINTED FULL	O P JGNANAME & SIGNA	TURE	EPA I.D. NO	03-28/02 DATE
 	ADDRESS TO SOLUTION OF THE STATE OF SOLUTION OF THE SOLUTION O	9423	Roma TYPED OI	75 V/E DL/A	O P JGNANAME & SIGNA	TURE	EPA I.D. SERVICE ORDER NO	03-25/02_ DATE
TRANSPORTER	NAME CHEMICAL WAST	E MANAG	TYPED OF	75 V. E. D. A. R PRINTED FULL	O P JGNANAME & SIGNA	TURE	EPA C A T 2 2 2	03-28/02 DATE
TRANSPORTER	ADDRESS	E MANASI	TYPED OF	R PRINTED FULL	O P JGNANAME & SIGNA	TURE	EPA C A T 2 2 2	DATE DATE DATE L METHOD
TRANSPORTER	ADDRESS	E MANAG SKYLINE MAN CIT	TYPED OF	R PRINTED FULL	O P JGNANAME & SIGNA	TURE	EPA C A T Q Q DISPOSA	DATE DATE DATE L METHOD
TRANSPORTER	ADDRESS	E MANAG SKYLINE MAN CIT	TYPED OF	R PRINTED FULL	NAME & SIGNA	TURE TURE	EPA C A T Q Q DISPOSA	DATE DATE DATE L METHOD
NSPORTER II	NAME ADDRESS CITY, STATE, ZIP PHONE NO. OPPORT NAME ADDRESS CITY, STATE, ZIP PHONE NO. OPPORT NAME CHEMICAL WAST ADDRESS 35251 OLD CITY, STATE, ZIP PHONE NO. (ADD) 222-2 GEN	E MANAG SKYLINE MAN CIT	TYPED OF	R PRINTED FULL	NAME & SIGNA	TURE TURE	EPA C A T Q Q DISPOSA	DATE DATE DATE L METHOD
TRANSPORTER	ADDRESS	E MANAS SKYLINE MAN CIT	TYPED OF	R PRINTED FULL I	NAME & SIGNA	TURE TURE	EPA C A T Q Q DISPOSA	DATE DATE DATE L METHOD
TRANSPORTER II	NAME ADDRESS CITY, STATE, ZIP PHONE NO. OPPORT NAME ADDRESS CITY, STATE, ZIP PHONE NO. OPPORT NAME CHEMICAL WAST ADDRESS 35251 OLD CITY, STATE, ZIP PHONE NO. (ADD) 222-2 GEN	E MANAS SKYLINE MAN CIT	TYPED OF	R PRINTED FULL I	NAME & SIGNAL NAME & SIGNAL LI NAME & SIGNAL NE	TURE TURE	EPA C A T Q Q DISPOSA	DATE DATE DATE L METHOD

WEIGHT (LB) TIME DATE 12238 3-28-02 59400 GROSS:	1b 34.70 ton	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA 72233
TARE: 13:18 03/28/02 32040 1b	15.02 ton	South South	WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counte by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE: [GENERATOR LYANGEST	18x2-4/	_\-	Standards of California Department of Food and Agriculture.
N. B. V. C MHC	1223301 PROFILE NO	B3137	*
TRACTOR LICENSE NO.	RECEIPT #	360720	
			Romie
			Blanct

3/03 3/13 BA

ym billoul

BDC SPECIAL WASTE SERVICES HO7223402 NO. 1335

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3 NAME SITE: SAME	737		
	ADDRESS 1000 23RD AVE EPA I.D. C A 6 1	70023823		
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO.			
GENERATOR	CONTAINERS: No	TONS 10.75 Towns		
ENER	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER			
	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS			
B	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE	PPM %		
COMPLETED				
Li,	1			
릴	2.			
ő				
BEC	VOC-OVA READINGS			
0 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043			
•	PROPERTIES: pH Q SOLID DILIQUID DISLUDGE DISLURRY DOTHER			
	그 그는 거리되어 그 그 가는 그래요 하는 그는 그는 그는 그는 그리고 있는데 그리고 사람이 그리고 사용하게 되었다. 한 점점 중요 중요 사용을 받는다.			
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING			
	THE GENERATOR CERTIFIES THAT THE	-01 94 /		
	WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE DATE		
E E	NAME ROW BLAND BOX AROOM	0106641		
ОВ	ADDRESS 14286 CRISSWell 20. SERVICE ORDER NO.	Deligner 表示,		
SF	CITY, STATE, ZIP 1 / 05 BANGS CA. 23635 PICKUP DATE			
_		And the second second second second		
3AN		2 KJ-07		
TRANSPORTER I	PHONE NO. (205) 926-3811 Roll BALLED Ron Burk	3-JY-02 DATE		
	PHONE NO. 905) 826-3811 ROLL BALLED Ren Bunkl TYPED OR PRINTED FULL NAME & SIGNATURE EPA	3-XY-0Z DATE		
	PHONE NO. (205) 926-3511 Proped OR PRINTED FULL NAME & SIGNATURE EPA 1.0. NO.	3-JY-0Z DATE		
	PHONE NO. 205) 926-3811 ROBERTO SIGNATURE NAME ADDRESS SERVICE ORDER NO.	3-JY-02 DATE		
овтев	PHONE NO. 905) 936-3811 ROLL BATES TYPED OR PRINTED FULL NAME & SIGNATURE EPA I.D. NO.	3-27-02 DATE		
NSPORTER II	PHONE NO. (205) 926-3811 Republication of the printed Full name & Signature NAME EPA 1.0. NO. NO. ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PICK UP DATE PHONE NO. () PICK UP DATE	3-J3-02 DATE		
	PHONE NO. 205) 926-3811 ROPED OR PRINTED FULL NAME & SIGNATURE NAME ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PICK UP DATE	3-JY-0Z DATE		
NSPORTER II	PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 PHONE NO. (205) 936-3511 TYPED OR PRINTED FULL NAME & SIGNATURE	DATE		
NSPORTER II	PHONE NO. (26) 936-3811 PHONE NO. (26) 936-3811 NAME NAME ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PHONE NO. (1) TYPED OR PRINTED FULL NAME & SIGNATURE CHEMICOL MOSTE MONOREMENT-KHE EPA NO. C A T &	DATE © 0 6 4 6 1 1 7		
TRANSPORTER II	PHONE NO. (205) 926-3511 PHONE NO. (205) 926-3511 NAME ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PART OF PRINTED FULL NAME & SIGNATURE PROPERTY OF PRINTED FULL NAME & SIGNATURE PROPERTY OF PRINTED FULL NAME & SIGNATURE PROPERTY OF PRINTED FULL NAME & SIGNATURE	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD		
TRANSPORTER II	PHONE NO. (205) 926-3511 PHONE NO. (205) 926-3511 RAME ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PLANTAGE MANAGEMENT - KHF ADDRESS 35251 OLD SKYLINE ROAD	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD		
TRANSPORTER II	PHONE NO. (205) 936-3511 NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PLOCK UP DATE PICK UP DATE NO. C A T &	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD R		
TRANSPORTER II	PHONE NO. (208) 926-38// NAME NAME ADDRESS SERVICE ORDER NO. CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE EPA NO. C A T & NO.	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD		
NSPORTER II	PHONE NO. (205) 936-3511 NAME ADDRESS CITY, STATE, ZIP PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE PLOCK UP DATE PICK UP DATE NO. C A T &	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD R		
TRANSPORTER II	PHONE NO. (208) 826-38/1 NAME	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD R		
TRANSPORTER II	PHONE NO. (205) 93439 PHONE NO. (205) 93439 PHONE NO. (205) 93439 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964 PHONE NO. (2000) 222-2964	DATE ② ② 6 4 6 1 1 7 ISPOSAL METHOD R		

WEIGHT (LB) TIME DATE 12:38 3-28-02 75200 lb 37.60 ton GROSS: 13:13 03/28/02 33300 lb 16.65 ton TARE: NET:	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following describe commodity was weighed, measured, or coun by a WEIGHMASTER, whose signature is an it certificate, who is a recognized authority of accuracy, as prescribed by ChAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
TRACTOR LICENSE NO. BIN # RECE	PA 673/7	į.

30/1-3/03 3 BR

Ben Soile KI

BDC SPECIAL.WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

N N 0722402

	HOW THE COUNTY OF LED	
		PROFILE#EB3737
	1000 23RD AVE	EPA I.D. C A 6 1 7 @ 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93/043 CONTACT:	PHONE NO. ()
GENERATOR	CONTAINERS: No	
	WASTE DESCRIPTION NON HAZ PEB CONTAMINATED SOIL GENERATING PROCESS	
ED BY		TS OF WASTE PPM %
COMPLETED	1	
ш	VOC-OVA READINGS	
TO B	SITE ADDRESS 1000 23RD AVE PORT. HUENEME, CA 930	343
•	PROPERTIES: pH Q SOLID	
	USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.	Jewel 3/28/02
H H	NAME GARY KORBELIK SR	M. A00019073Q
TRANSPORTER I	ADDRESS 2535 CEDER LANE	SERVICE ORDER NO.
NSF	CITY, STATE, ZIP HOULD CA. 95223/	PICK UP DATE
TR/	PHONE NO. 1999 1995 - 1013 GARY DEAU KORBEL TYPED OR PRINTED FULL NAME & SIGNATURE	iK SR Gay Wankerbell
TER	NAME	EPA ID
SPORTER II	ADDRESS	SERVICE ORDER NO.
ISN	OTTA OTTATE TO	PICK UP DATE
TRAN	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
		EPA
	NAMECHEMICAL WASTE MANAGEMENT-KHF	EPA. NO. C A T Ø Ø Ø 5 4 5 1 1 7 DISPOSAL METHOD
	SESEN DED DING THE SEAD	LANDFILL OTHER
딩	OITY, STATE, ZIP KETTLEMAN CITY, CA 93889	SAIDHLE LIGHT
TSD FACILITY	PHONE NO. (1906) 222-2954 Capra CIShish R	3/28/2
13	GEN OLD/NEW L A TONS Pec Gay L	porbelik W/ Morbelik
	TRANS S B RT/CD HWDF NONE Transport	er Date 5/8 3/28/02
	DISCREPANCY	er Date SIB 3128102 4/1/02
W	hite & Yellow - TSD COPY Pink - GENERATOR COPY Blue - TRANSPORTER CO	

WEIGHT (LB) TIM	E <u>DATE</u>	COMMODIFY: HAZARDOUS WAS
cross:44 3-28-02	75120 1b 37.56 ton	DEPUTY WEIGHMASTER
TARE:		
NET: YARD 194 # 45 - 03/28/02	31800-1115.90 ton	Mass S
MB VC	MANIFEST . 07777 4002	PROFILE NO.
TRACTOR LICENSE NO.	BIN #	RECEIPT *

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed at 35251 Old Skyline Road Kettleman City, CA 72240

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signaturs is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Garl/ KorBelik

BROWN SAMOY SOIL WROLL

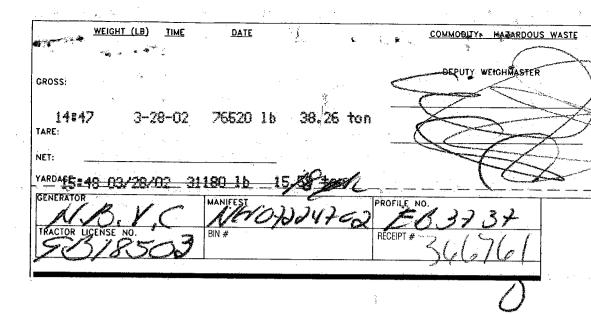
Profession Commence of the Section o

No.133586

A WASTE MANAGEMENT COMPANY N 1 6772470

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737			
GENERATOR	ADDRESS 1000 23RD AVE LD C A 6 1 7 0 0 2 8 3 2 3			
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()			
	CONTAINERS: No. 101 DT VOLUME/CY 100 8 Y WEIGHT/TONS 122.8 TOWS			
NER,	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER			
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS			
	1 3			
COMPLETED	2			
BE CO	VOC-OVA READINGS			
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043			
PROPERTIES: pH QSOLID				
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING			
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOY J. SE WELL Soy J. Selved 3/28/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE			
TER	NAME ALVAREZ HOUKING EPA CALOBOZO5950			
TRANSPORTER I Ж	ADDRESS 272 BENO CT SERVICE ORDER NO			
RANS	CITY, STATE, ZIP., GALT CH 7365 PICK UP DATE 03-28-02			
	PHONE NO. 201 1991 DATE TYPED OR PRINTED FULL NAME & SIGNATURE DATE			
RTER	NAME EPA I.D. NO.			
ISPO II	ADDRESS SERVICE ORDER NO CITY, STATE, ZIP PICK UP DATE			
TRANSPOR	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE			
	EPA ND CATOOO545117			
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD			
Ē	ADDRESS 35251 OLD SKYLINE ROAD			
TSD FACILITY	PHONE NO! (BOD)) 222-2964 (BOD) 222-2964 (BOD) 222-2964			
TSD	TYPED OR PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS DATE			
	TRANS S B C/O RT/CD HWDF NONE			
	DISCREPANCY			



CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Rood
Kettleman City. CA

WEIGHMASIER Weighed of 35251 Old Skyline Rood Kettleman City, CA

NO:..

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
Libis is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificete, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

HUARE

31/473

BM wildowl

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NA67224802

GENERATOR	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE PA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO.)
	CONTAINERS: No
jj.	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
B≺	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	3
ш	VOC-OVA READINGS
0 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
F	PROPERTIES: pH QSOLID CILIQUID CISLUDGE CISLURRY CITHER
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LLOYD T. SEWELL Flory Develop 3/28/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TRANSPORTER I	NAME FELIX MANTINEZ PA CAL 000 234621
g _	ADDRESS 3474 E.W. S. WOODS B.LD SERVICE ORDER NO.
NSF.	CITY, STATE, ZIP . STOCK TON CA 2520-6 PICK UP DATE 3-28-02
¥ ¥	PHONE NO. ()
·	TYPED OR PRINTED FULL NAME & SIGNATURE HELD MANUAL DATE 3
SPORTER II	NAME EPA I.D. NO.
Ö_	ADDRESS SERVICE ORDER NO
dSN II	CITY, STATE, ZIPPICK UP DATE
TRAI	PHONE NO. (
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NO. CATOOO546117
	THEMICAL MASTE MANAGEMENT-VHE
<u>}</u>	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
CILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD ADDRESS 35251 OLD SKYLINE ROAD LANDFILL OTHER
FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 CITY STATE, ZIP KETTLEMAN CITY, CA 93239
SD FACILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO (800) 222-2964 THE DOR PRINTED FULL NAME & SIGNATURE DATE
TSD FACILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO! (800)) 222-2964 DISPOSAL METHOD LANDFILL [] OTHER
TSD FACILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE RÜAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO! (ΦŪŪ)) 222-2964 GEN OLD/NEW L A TONS DISPOSAL METHOD TANDFILL □ OTHER 3-28-02 PHONE NO! (ΦŪŪ)) 222-2964 DATE
TSD FACILITY	NAMECHEMICAL WASTE MANAGEMENT-KHF ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO! (BOO)) 222-2964 GEN OLD/NEW L A TONS TRANS S B DISPOSAL METHOD DISPOSAL METHOD TRANS DISPOSAL METHOD ADDRESS 35251 OLD SKYLINE ROAD APPED OR PRINTED FULL NAME & SIGNATURE DATE

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER GROSS: 14849 3-28-02 73440 lb 36.72 ton TARE: 16:04 03/28/02 YARDAGE: MANIFEST RECEIPT.#

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER WOIGHARD AND TRANSPORTED TRANSPORTED TO THE PROPERTY OF THE PROPER

35251 Old Skyline Road Kettleman City, CA

72248 WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Felix 11 Mertinez

Bm bit Esus

MAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZÜSA, ÇA 91702 (626) 969-1384 • FAX (626) 969-4971 NO.133583 NH 07229002

	MONTIALANDOGO WAGIL DAWAGIN	
	NAVAL BASE VENTURA COUNTY NAME	
	ADDRESS 1000 23RD AVE EPA ID C A 6 1 7 0 0	23323
-	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()	
GENERATOR	CONTAINERS: No	9.26 Tows
ΒY	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE	PPM %
COMPLETED	1	
BE CC	VOC-OVA READINGS	
10 E	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
	PROPERTIES: pH QSOLID DIQUID DSLUDGE DSLURRY DOTHER	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	3 /28/2 2 DATE
тев	NAME HOMER MARCHBANKS LAW 0002	14461
POR I	ADDRESS 1261 Martole St SERVICE ORDER NO.	· · · · ·
TRANSPORTER I	CITY, STATE, ZIP SANTA LOSA CA 9590 PICK UP DATE 3-28-	11/11/13-28
	PHONE NO. 1013 Y - 6 18 7 TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
PORTER II	NAME LINE AND AND AND AND AND AND AND AND AND AND	
S		
TRAN	PHONE NO. ()	
_	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	NAMECHEMICAL WASTE MANAGEMENT-KHF	
Ĕ	ADDRESS 35851 OLD SKYLINE ROAD CANDFILL COTHER	· · · · · · · · · · · · · · · · · · ·
ACIL CIL	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	,
TSD FACILITY	PHONE NO (BOID)) 222-2964 TYPED OF PRIMTED FULL NAME & SIGNATURE	= 3/28/0
T.S	GEN OLD/NEW L A TONS	
	TRANS S B C/O HT/CD HWDF NONE	
	DISCREPANCY	

WEIGHT (LB) TIME GROSS: 3-28-02 TARE: NET: YARDAGE: 16-112-28-112-34-34	72440 lb	DEP	DDITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodily was weighed, measured, or counted by a WEIGHMASTER, whose signature is an the certificate, who is a recognized outhority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
CENERATOR JOS 28 02 343	MANIFEST BIN#	9 ton 727 9002 £ 537 RECEIPS #	35	ž

Hony yr When childrentes

3/03 3011 BR 1481

BROW SAMPY Love w/Rock

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 · FAX (626) 969-4971

No.133591 NH 18660402

NON-HAZARDOUS WASTE DATA FORM

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 SITE:SAME
	ADDRESS 1000 23RD AVE EPA LD C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. ()
GENERATOR	CONTAINERS: No
ENEF	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER
BY G	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SUIL GENERATING PROCESS
COMPLETED B	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
9	
M M	4
2	VOC-OVA READINGS
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
- !	PROPERTIES: pH QSOLID
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
TRANSPORTER I	NAME Christer Russell BACAROOO103804
8 T	ADDRESS 7601 Stone Buoleen Service ORDER NO. 7
NNS	CITY, STATE, ZIP 1 Baksusfuld PICK UPPATE 3/25/03-1
TR/	PHONE NO. () UUYYYYYY CVESTEN KUSSUL / 3/25/02
Œ	EPA
SPORTER II	
SPC	ADDRESS SERVICE ORDER NO
z	CITY, STATE, ZIP PICK UP DATE
TRA	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA C A T Ø Ø Ø 6 4 6 1 1 7
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
·Έ	ADDRESS 35251 OLD SKYLINE ROAD
CIL	CITY, STATE, ZIP KETTLEMAN CITY. CA 93239
TSD FACILITY	PHONE NO. (600) 222-2964 Cara ashworth = 3/29/07
TSE	GEN OLD/NEW L A TONS TYPED OF FILL NAME & SIGNATURE DATE
	TRANS S B
	C/O RT/CD HWDF NONE DISCREPANCY
1	

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of COMMODITY: HAZARDOUS WASTE DATE WEIGHT (LB) TIME WEIGHMASTER weighed at 35251 Old Skyline Road May --DEPUTY WEIGHMASTER NO: GROSS: WEIGHMASTER CERTIFICATE WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Protessions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. 40,33 -ton 80660 lb 8:56 TARE: 6.65 ton NET: 09:48 03/29 PROFILE NO. RECEIPT #

> 3/03 3/1/ B/8 9:10

Ben Red Sail

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13367

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737
GENERATOR	ADDRESS 1000 23RD AVE LD C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE NO. \$65,982-3677
	CONTAINERS: No
뜅	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS
D BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1 3
MPL	2
BE COI	VOC-OVA READINGS
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
Ľ	PROPERTIES: pH QSOLID
	HANDLING INSTRUCTIONS:USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOY & J. S. W. B. L. House & SIGNATURE LOY & J. S. W. B. L. House & SIGNATURE DATE
ER	NAME Garside & SONS EPA CAL 000231345
P. O.	ADDRESS 7500 ROSE date HWY SERVICE ORDER NO.
I SP	CITY, STATE, ZIP, BAKERS FIELD CA, PICKUP DATE 4/3/02
TRANSPORTER I	PHONE NO. (64) 496-3162 Jimmy D. DWENS Jimmy 50, DWYS 4/3/02 TYPED OR PRINTED FULL NAME & SIGNATURE DATE
тев	NAME EPA I.D.
JRT .	NO
TRANSPOF	,
AAN	PHONE NO. (PICK UP DATE PICK UP DATE
<u> </u>	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	EPA I.D. No. <u>CATDOO646117</u>
TSD FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD
	ADDRESS 35251 OLD SKYLINE ROAD
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93839
Ü FI	PHONE NO (BOO) 222-2964 COO (Sh. DOCH 4/3/02) TYPED OF PRINTED FULL NAME & SIGNATURE DATE
TS	GEN OLD/NEW L A TONS
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY

WEIGHT (LB) TIME DATE			COMMODITY: HAZARDOUS WAST		
GROSS 205	4-03-02	84000 lb	42.00 ton	DEPUTY WEI	GHMASTER
TAR#3239 04	1 03/02 30€	560 lb 15	.28 ton		
NET: YARDAGE:			18 1280		炎
GENERATOR NBV TRACTOR LICENSE		MANIFEST MH 186 BIN#	81002 R	ROFILE NO. E 133737 RECEIPT #	· ·

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skyline Rood
Keitleman City, CA

35251 Old Skyline Road Kettleman City, CA 136810

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

3/03 3UH BH 13/3

BROWN SUL

No.13367

NH18681702

NON-HAZARDOUS WASTE DATA FORM

(626) 969-1384 • FAX (626) 969-4971

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME
	ADDRESS 1000 23RD AVE EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 805)982-3677
GENERATOR	CONTAINERS: No
BY GENE	WASTE DESCRIPTION NON HAZ FICE CONTAMINATED SOIL GENERATING PROCESS
COMPLETED	1
ш	2
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH GSOLID UQUID SLUDGE SLURRY OTHER
	USE PROPER PPE DURING HANDLING HANDLING INSTRUCTIONS:
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TER	NAME YNIGHT ENTER ALISUS BE CALOOD 191364
POR	ADDRESS 2731 JRUCS 5th SERVICE ORDER NO.
TRANSPORTER I	PHONE NO. (461) 333 \$171 MANIL 1 AUGUSTO WILLIAMS & SIGNATURE DATE
TER	NAME EPA I.D. NO.
POR	ADDRESS SERVICE ORDER NO
TRANSPOR II	CITY, STATE, ZIP PICK UP DATE PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
,	SHEMIFOL HOSTE MONOGEMENT WHE
	NAME CHERTICAL WHILE PHINADE METHOD DISPOSAL METHOD
T	ADDRESS 35251 OLD SKYLINE ROAD STATE OTHER
FACI	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239 PHONE NO. (BOO) 222-2964 CACCA ASHADOM 5 4/3/02
TSD FACILITY	PHONE NO. TYPED OF TRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS DATE
	TRANS S B C/O RT/CD HWDF NONE
	DISCREPANCY

UPOSOSY - MED ALBO

_				4" : 10" Way :	~
	WEIGHT (L	B) TIME DATE		COMMODITY:	HAZARDOUS WASTE
	13:21 4 GROSS:	-03-02 79360 lb	39.68 ton	DEPUTY W	/EIGHMASTER
	TARE 14524 04/0	3/02 29080 lb 14.	.54 ton		
	NÉT:				
	YARDAGE:		LO MAPS		Y
	GENERATOR AIBVC	MANIFEST NH 181	XI70Z E	LE NO. B3727	
	TRACTOR LICENSE NO.	BIN #	RECEIF	1/2016	>
	V -		, -vol-40	1 # / 3 1 1	

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of
35251 Old Skyline Road
Kettleman City, CA
186817

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recagnized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Cade, Tadmiaistered by the Division of Measurement Standards of California Department of Food and Agriculture.

BADON Suc nlRoll

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH1868180

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME
	1000 23RD AVE	EPA I.D. CA6170023323
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. \$05,982-3677
GENERATOR	CONTAINERS: No	
ETED BY GE		SSNENTS OF WASTE PPM %
COMPLET	1 3 2 4	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	33043
Ĭ	PROPERTIES: pH SOLID	
•	HANDLING HANDLING THE GENERATOR CERTIFIES THAT THE	24 (
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	Jewell 04/03/02 DATE
овтев		EPA CAR 600 111542 SERVICE ORDER NO
TRANSPORTER I	PHONE NO. (301) 595-1797 DANIE MIRANDA TYPED OR PRINTED FULL NAME & SIGNATURE	PICKUP DATE 4-3-07 Michael DATE
RTER	NAME	EPA I.D. — NO.
	ADDRESS	SERVICE ORDER NO.
TRANSPO	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	PICK UP DATE DATE
		EPA I.D. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
בן בו	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (\$00) 222-2964 (COM OShw)	gh = 4/3/02
TSL	GEN OLD/NEW L A TONS	DATE
	TRANS S B C/O RT/CD HWDF NONE	
:	DISCREPANCY	

WEIGHT (LB) TI GROSS 25 4-03-1		COMMODITY: HA	HMASTER NO:_	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA 198818 WEIGHMASTER CERTIFICATE is to cartly that the following described modity was weighed, measured, or counled WEIGHMASTER, whose signature is on this loate, who is a recognized outhority of accy, as prescribed by CHAPTER 7.
NET: YARDAGE:		8 yaras	(com the of admit Stand	mencing with § 12700) of Division 5 of adifornia Business & Professions Code, nistered by the Division of Measurement lards of California Department of Food Agriculture.
GENERATOR NBVC	WANIFEST 186818	PROFILE NO. (57373)		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		\$
l 			. DAZGARTI OLIGAÇA (M. 1961) ER	agusta an i seasann a gusta a c

3/03 3/1 BR 1350

BROWN SOR

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NT118082202

	NAVAL BASE VENTURA COUNTY PROFILE#EB3737 NAME SITE:SAME
	ADDRESS 1000 23RD AVE EPA C A 6 1 7 0 0 2 3 3 2 3
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. 1885 982-3677
GENERATOR	CONTAINERS: No
BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %
COMPLETED	1
BE CON	VOC-OVA READINGS
5	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043
	PROPERTIES: pH GSOLID GLIQUID SLUDGE SLURRY OTHER
,	HANDLING INSTRUCTIONS:USE PROPER PPE DURING HANDLING
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TRANSPORTER I	NAME SIMON & SIMON TRUCKING LAR 0000 9322 9
AANSP	CITY, STATE, ZIP, AUSNAL CA. 93 ZOY PICKUP PATE 4/03/102 PHONE NO. (559) 386 4269 Simon TAFOYA. Simon Tafoya.
	TYPED OR PRINTED FULL NAME & SIGNATURE DATE
RTER	NAMEEPA
SPOF	ADDRESS SERVICE ORDER NO
TRANSPO II	CITY, STATE, ZIP PICK UP DATE
#	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE
TSD FACILITY	NAME CHEMICAL WASTE MANAGEMENT-KHF EPA I.D. NO. CATOOO646117 DISPOSAL METHOD
	ADDRESS 35251 OLD SKYLINE ROAD LANDFILL OTHER
	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239
) D F/	PHONE NO. (BUTO) 222-2964 COO UShworth 4/3/02 TYPED ON PRINTED FULL NAME & SIGNATURE DATE
TS	GEN OLD/NEW L A TONS TRANS S B
	C/O RT/CD HWDF NONE
	DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY DISCREPANCY

WEIGHT (LB) TIME	DATE	en en en en en en en en en en en en en e	COMMODITY: HAZARD	OUS WASTE
GRO\$9 148 4-03-02	82360 lb 4	1.18 ton	DEPUTY WEIGHMAS	rer /
TARE 4:32 04/03/02 34	980 lb 17.49	ton		-
YARDAGE:		1870005		S54
TRACTOR LICENSE NO.	MANIFEST 186		10. 8 3737	g)
950385	DIN #	RECEIPT #	73)9	-

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of 35251 Old Skyline Road Kettleman City, CA 136822

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of executacy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

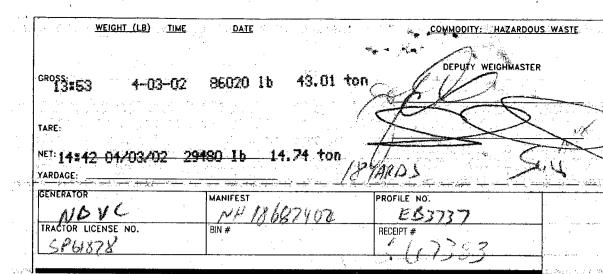
BROWN SAND WROCK

BDC SPECIAL WASTE SERVICES WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH18688402

_			
		NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 SITE:SAME
		ADDRESS	EPA I.D. C A 6 1 7 0 0 2 3 3 2 3
		CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. (805) 982-3677
	GENERATOR	CONTAINERS: No	Y WEIGHT/TONS 26.9 TONS
	BY GEN	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPONE	S
	COMPLETED	1 3	
	ш	VOC-OVA READINGS	
	0 B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043
7	•	PROPERTIES: pH SOLID	· · · · · · · · · · · · · · · · · · ·
3		USE PROPER PPE DURING HANDLING	
0		THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	f. Leexa 04/03/02
7	TER	NAME RCJ	EPA CAR0000 69286
	TRANSPORTER I	ADDRESS 11855 DARLIENG LN	SERVICE ORDER NO.
	IANS	CITY, STATE, ZIP MOORDAILIR CA 93021	PICK UP DATE 4-3-03
-		PHONE NO. TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	TER	NAME	EPA I.D. NO.
	TRANSPOR	ADDRESS	SERVICE ORDER NO.
	ANS	CITY, STATE, ZIP	PICK UP DATE
	ᄄ	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
			EPA NO. CATOOO645117
	·	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
	Ē	ADDRESS 35251 OLD SKYLINE ROAD CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	LANDFILL OTHER
	FAC	PHONE NO. (800) 222-2964 COOR OShwo	9h = 4/3/02
	TSD FACILITY	TYPED OF PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE
	.	TRANS S B	
	ŀ	C/O RT/CD HWDF NONE DISCREPANCY	



CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER Weighed at 35251 Old Skyllne Rood Kettleman City, CA 136824

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to carility that the following described commodity was weighed, measured, or counted by WEIGHMASTER, whose afgnature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (Commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agalguture.

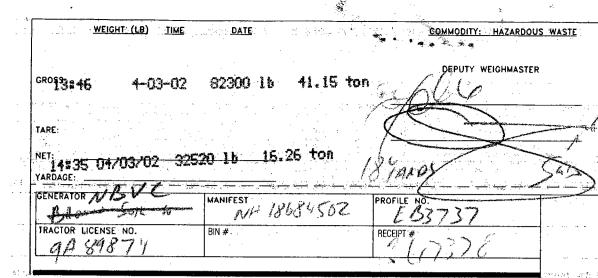
3/03 JUH BA 1401 CA

BROWN SOL h/KUIL

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NI+18684502

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _ SITE:SAME		
	ADDRESS 1000 23RD AVE	EPA I.D. E A 6 1 7 0 0 2 3 3 2 3		
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 835) 982-3677		
GENERATOR	CONTAINERS: No. <u>001 DT</u> VOLUME/CY <u>00019</u> TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER			
BY GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES COMPONENTS OF WASTE PPM % COMPON	ES		
	1. 3.	ENTO OF WASTE		
COMPLETED	24			
BE CO	VOC-OVA READINGS			
TO B	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA S	33043		
	PROPERTIES: pH SOLID			
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	<u></u>		
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	18) Lewill 04/03/02		
ITER	NAME 5, mon + 5 mon Trocking	EPA & 1000093229		
SPOR I	ADDRESS 421 Mars 5+ Au			
TRANSPORTER I	PHONE NO. (558 386 4269 PAULINO 30+0 Typed on Printed full Name & SIGNATURE			
RTER	NAME	EPA I.D.		
	ADDRESS	SERVICE ORDER NO.		
TRANSPO	CITY, STATE, ZIP	PICK UP DATE		
H H	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE		
	NAME CHEMICAL WASTE MANAGEMENT-KHF	EPA I.D. NO. C A T Ø Ø Ø 6 4 6 1 1 7 DISPOSAL METHOD		
LITY	ADDRESS 35251 OLD SKYLINE ROAD	_ SCANDFILL OTHER		
FACI	PHONE NO (BOO) 222-2964 Capra (Shub)	2h = -4/3/02		
TSD FACILITY	PHONE NO! DEBTY LEE LOGY TYPED OF PRINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS	DATE		
·	TRANS S B C/O RT/CD HWDF NONE	·		
i	DISCREPANCY			



CHEMICAL WASTE WANAGEMENT, INC.
WEIGHMASTER Weighed at 35251 Old Skyline Road

186845

WEIGHMASTER CERTIFICATE

WEIGHMASIER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this Teerifficate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Foodand Agriculture.

Brown Soil WINDIL

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702

NH18684602

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

1 .			
	NAVAL BASE VEN	NTURA COUNTY	PROFILE HEB3737
	NAME		SITE:SAME
	ADDRESS 1000 23RD AV	VE	
	CITY, STATE, ZIP PORT HUEN	NEME, CA 93043 CONTACT:	PHONE NO. (805) 982-3677
GENERATOR	CONTAINERS: No	201 DT VOLUME/CY 20018	3 Y WEIGHT/TONS 27.89 TONS
H.	TYPE: ROLL-OFF (DUMP DRUMS CARTONS OTHER_	
	WASTE DESCRIPTION NON 1	HAZ PCB CONTAMINATED SOIL GENERATING PR	ROCESS
B¥	COMPONENTS OF WASTI	E PPM % CO	MPONENTS OF WASTE PPM %
		•	
		3	
불	2	4	
BE COMPLETED	VOC-OVA READINGS		
2	SITE ADDRESS 1000 E	E3RD AVE PORT HUENEME, CA	93043
	PROPERTIES: pH	SOLID LIQUID SLUDGE SLURRY OF	THER
	HANDLING INSTRUCTIONS:	USE PROPER PPE DURING HANDLING	1
	THE GENERATOR CERTIFIE	STHATTHE LINAT SELLEL	of J. Level 04/03/02
	WASTE AS DESCRIBED IS HAZARDOUS.	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
ER	KNIGIT	rit	EPA (12 / 12 / 1/
ятев	NAME KNIGHT	24465	EPA I.D. CALOOO 191364
SPORTER I	ADDRESS 2731 5P	Ruce	EPA (1.D.) CALODO 191364 SERVICE ORDER NO.
ANSPORTER I	ADDRESS 2731 SP CITY, STATE, ZIP , PAKEA	stifto CA 93308	SERVICE ORDER NO PICK UP DATE
TRANSPORTER I	ADDRESS 2731 5P	Pruce 19FIFLD CA 93308 18175 KEITH DEUFEL 12	SERVICE ORDER NO PICK UP DATE 4-3-07
	ADDRESS	stifto CA 93308	SERVICE ORDER NO. PICK UP DATE 4-3-02 DATE
RTER	ADDRESS	Pruce 19FIFLD CA 93308 18175 KEITH DEUFEL 12	SERVICE ORDER NO PICK UP DATE LUTT PLEY \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
RTER	ADDRESS	Pruce 19FIFLD CA 93308 18175 KEITH DEUFEL 12	SERVICE ORDER NO. PICK UP DATE 4-3-02 DATE
RTER	ADDRESS	Pruce 19FIFLD CA 93308 18175 KEITH DEUFEL 12	SERVICE ORDER NO. PICK UP DATE 4-3-02 DATE EPA I.D. NO.
ОВТЕВ	ADDRESS	PRUCE USFIFLE CA 93308 8175 KEITH DEUFEL 12 TYPED OR PRINTED FULL NAME & SIGNATURE	SERVICE ORDER NO. PICK UP DATE 4-3-07 DATE EPA I.D. NO. SERVICE ORDER NO. PICK UP DATE
RTER	ADDRESS	Pruce 19FIFLD CA 93308 18175 KEITH DEUFEL 12	SERVICE ORDER NO. PICK UP DATE LEPA I.D. NO. SERVICE ORDER NO. PICK UP DATE DATE
RTER	ADDRESS	PRUCE SEFELD CA 93303 8175 KEITH DEUFEL LA TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	SERVICE ORDER NO. PICK UP DATE 4-3-02 DATE EPA I.D. NO. SERVICE ORDER NO. PICK UP DATE
TRANSPORTER	ADDRESS	PAUCE SEFE CA 93308 8175 KEITH DEUFEL LA TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF	SERVICE ORDER NO. PICK UP DATE LUX
TRANSPORTER	ADDRESS	PAUCE SEIFE CA 93307 8175 KEITH DEUFEL K TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF (YLINE ROAD	SERVICE ORDER NO. PICK UP DATE LUX PLANT DATE EPA I.D. NO. SERVICE ORDER NO. PICK UP DATE DATE EPA I.D. NO. C A T Ø Ø Ø 5 4 5 1 1 7
TRANSPORTER	ADDRESS	PAUCE SEIGLO CA 93303 8175 KEITA DEUFEC LA TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF KYLINE ROAD AN CITY, CA 93239	SERVICE ORDER NO. PICK UP DATE LATE PA ID NO. SERVICE ORDER NO. PICK UP DATE DATE DATE PA LD LD LD DISPOSAL METHOD LANDFILL OTHER
TRANSPORTER	ADDRESS	PRUCE 19 FIFLO CA 93303 8175 KFITH DEUFEL /A TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF (YLINE ROAD AN CITY, CA 93239 CAOCA QSI	SERVICE ORDER NO. PICK UP DATE LITT PURPLE DATE PICK UP DATE DATE DATE PICK UP DATE DATE DATE LIDA NO. C A T Q Q E 4 6 1 1 7 DISPOSAL METHOD MANDFILL OTHER TUBLET DISPOSAL METHOD
RTER	ADDRESS	PAUCE SELLO CA 93338 8175 KEITH DEUFEL LA TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF (YLINE ROAD AN CITY, CA 93239	SERVICE ORDER NO. PICK UP DATE LITT PUT 1 0 6 4 6 1 1 7 DISPOSAL METHOD MUNCH PICK UP DATE DATE PART OF THE PUT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TRANSPORTER	ADDRESS	TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF (YLINE ROAD AN CITY, CA 93239 TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE D/NEW L A TONS S B	SERVICE ORDER NO. PICK UP DATE LITT PURPLE DATE PICK UP DATE DATE DATE PICK UP DATE DATE DATE LIDA NO. C A T Q Q E 4 6 1 1 7 DISPOSAL METHOD MANDFILL OTHER TUBLET DISPOSAL METHOD
TRANSPORTER	ADDRESS	TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE MANAGEMENT-KHF (YLINE ROAD AN CITY, CA 93239 TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE	SERVICE ORDER NO. PICK UP DATE LITT PUT 1 0 6 4 6 1 1 7 DISPOSAL METHOD MUNCH PICK UP DATE DATE PART OF THE PUT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE 13***5**2 cross: DEPUTY WEIGHMASTER 87480 lb 43.74 ton TARE: 14:41 04/03/02 31020 1b 15.51 ton YARDAGE: GENERATOR PROFILE NO. NH 18684 TRACTOR LICENSE NO. BIN # RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.

WEIGHMASTER Weighed of 35251 Old Skyllne Rood Kettlemon City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE

This Is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.

BROWN SOIL WIRDLIL

BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

No.13366

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

NH 18693802

	NAVAL BASE VENTURA COUNTY NAME	PROFILE#EB3737 SITE:SAME						
	ADDRESS 1000 23RD AVE	IDA CA6170023323						
ı	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 825 982 - 3677						
GENERATOR	CONTAINERS: No. 001 DT VOLUME/CY 00018							
:NER	TYPE: ROLL-OFF TRUCK DUMP DRUMS CARTONS OTHER							
T WASTE DESCRIPTION GENERATING PROCESS								
Ю ВУ	COMPONENTS OF WASTE PPM % COMPON							
COMPLETED	1 3							
MP	2 4							
	VOC-OVA READINGS							
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 9	3043						
Ĭ	PROPERTIES: pH GSOLID LIQUID SLUDGE SLURRY OTHER_							
	HANDLING INSTRUCTIONS: USE PROPER PFE DURING HANDLING							
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. LOYD J. SEWBLL HOW TYPED OR PRINTED FULL NAME & SIGNATURE	J. Secret 04/03/02						
EB	ENGLOS & STANSHING	EPA (A) 00022 (245						
овтев	NAME GAISTOF & SON Trucking							
ISPORTER I	ADDRESS 7500 ROS dale Huy	SERVICE ORDER NO.						
TRANSPORTER I	ADDRESS 7500 ROS date 14 WY 6 CITY, STATE, ZIP BQ KEPS FIELD - CA PHONE NO. 661) 4963167 Gabriel GUTTENER 2	PICK UP DATE 04-03-07						
	ADDRESS 7500 ROS date If WY 6 CITY, STATE, ZIP BQ KEPS FIELD CA PHONE NO. 661) 4963167 COUBTIEN GUITTENER SIGNATURE	PICK UP DATE 04-03-07 When extreme 04-03-07 DATE						
TER	ADDRESS 7500 RES date Huy 6 CITY, STATE, ZIP B Q KEPS RIE 1 d - A PHONE NO. 661) 4963167 Gabriel Gutterag 2 TYPED OR PRINTED FULL NAME & SIGNATURE NAME	PICK UP DATE 04-03-02 World system 04-03-02 DATE EPA I.D. NO.						
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CHEMICAL WASTE MANAGEMENT, INC. COMMODITY: HAZARDOUS WASTE WEIGHT (LB) TIME DATE 35251 Old Skyline Road Kettleman City, CA 136938 12:11 GROSS: 1/03-02 WEIGHMASTER DEPUTY 39.88 ton 79760 lb WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (Commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture. TARE: 15.77 ton 31540 lb NET:12:51 04/03/02 YARDAGE: GENERATOR PROFILE NO RECEIPT #

Extract E

3/03 3/H B/8 1920 CA

BM Toil

A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

DH15694302

<u>. </u>		
	NAVAL BASE VENTURA COUNTY PROFILE#E SITE:SAME	
	ADDRESS 1000 23RD AVE EPA I.D. C A 6	5170028323
	CITY, STATE, ZIP FORT HUENEME, CA 93043 CONTACT: PHONE	NO. 8051982-3677
GENERATOR		пант/томs/26.46 To~s
.NER	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
,	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	•
D BY	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE	PPM %
COMPLETED	1 3	
M M	2 4	· · · · · · · · · · · · · · · · · · ·
	VOC-OVA READINGS	
TO BE	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	
•	PROPERTIES: pH SOLID	
	HANDLING INSTRUCTIONS: USE PROPER PPE DURING HANDLING	
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	@ 64/03/02 DATE
TRANSPORTER I	NAME PAINS freking ID AK	2000/08607
O]	ADDRESS SERVICE ORDER	
NSI	CITY, STATE, ZIP. Baker Sield PICK UP DATE	04-03-12
TRA	PHONE NO WELL) 654-0924 Carlos Baires Sant TYPED OR PRINTED FOLL NAME & SIGNATURE	MSn. 0403.02
TER	NAMEEPA I.D. NO.	
		I NO
TRANSPOR	,	
MAN	PHONE NO. ()	
<u> </u>	PHONE NO. \/ TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	EPA	000646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	0 0 0 6 4 6 1 1 7 DISPOSAL METHOD
_	ADDRESS 35251 OLD SKYLINE ROAD MLANDFILL [OTHER
딩	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	
TSD FACILITY	PHONE NO. (BOO) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE TYPED OF PRINTED FULL NAME & SIGNATURE	4/3/02
13	GEN OLD/NEW L A TONS	Unit
	TRANS	
.	C/O RT/CD HWDF NONE DISCREPANCY	

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE 30 12**=19** GROSS: -03-02 41.94 ton 83880 lb DEPUTY WEIGHMASTER TARE: 16.36 ton 32720 lb NET 2:55 04/03/02 YARDAGE: GENERATOR MANIFEST PROFILE NO. RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.

35251 Old Skyline Road Ketllemon City, CA 186943

NO:

WEIGHMASTER CERTIFICATE

This is to cartify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this cartificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7. (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Bon lait BOUT

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

No.13367,

	NAVAL BASE VENTURA COUNTY	PROFILE#EB3737 _SITE:SAME
	ADDRESS	EPA CA 6 1 7 0 0 2 3 3 2 3
·	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT:	PHONE NO. 805,982-3677
GENERATOR	OON MAINE NO. 100.	Y WEIGHTHONS 26.46 Tours
NER/	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	
GE	WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCES	s
ВУ		ENTS OF WASTE PPM %
ETED	1 3	
COMPLI	2	
	VOC-OVA READINGS	
то ве	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA	33043
	PROPERTIES: pH QSOLID	·
	USE PROPER PPE DURING HANDLING	
-	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE	DJ Leevel 04/03/62
E	NAME BAIRES PRUEKING	EAR 000 112425
TRANSPORTER I	ADDRESS Bakers Lield.	SERVICE ORDER NO.
NSP I	CITY, STATE, ZIP_5	PICK UP DATE 4-3-02
TR/	PHONE NO. (661) 654-0924 CAVIOS BAIVES COATUPED OR PRINTED FULL NAME & SIGNATURE	MAN BALLIUS 4-3-0 I
Ë	NAME	EPA I.D. — NO.
TRANSPORT II	ADDRESS	SERVICE ORDER NO.
NSF	CITY, STATE, ZIP	PICK UP DATE
TR/	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE	DATE
	•.	EPA ID NO. CATØØØ646117
	NAME CHEMICAL WASTE MANAGEMENT-KHF	DISPOSAL METHOD
Ę	ADDRESS 35251 OLD SKYLINE ROAD	
ACII	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	th = 04/03/02
TSD FACILITY	PHONE NO. (800) 222-2964 TYPED OF PRINTED FULL NAME & SIGNATURE	DATE DATE
F	GEN OLD/NEW L A TONS TRANS S B	
	C/O RT/CD HWDF NONE DISCREPANCY	
L	I	

WEIGHT (LB) COMMODITY: TIME DATE 37.95 ton 75900 lb DEPUTY WEIGHMASTER TARE 12:57 04/03/02 33300 1b 16.65 ton YARDAGE: GENERATOR PROFLE NO. RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

XH18701202

		$\neg \neg$
	NAVAL BASE VENTURA COUNTY PROFILE#EB3737	
	FDA	,
	1000 23RD AVE / EPA C A 6 1 7 0 0 2 3 /3 2 3	╛
		-
	CITY, STATE, ZIP PORT HUENEME, CA 93043 CONTACT: PHONE NO. \$\(\sqrt{95}, \frac{997-3677}{997-3677} \)	_ ,
· œ	C/24N-up 109	d
GENERATOR	CONTAINERS: No	_
RA	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER	ı
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Ä	NON HOT DER CONTOMINATED SOTI	ŀ
BY (WASTE DESCRIPTION NON HAZ PCB CONTAMINATED SOIL GENERATING PROCESS	- [
	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM %	ļ
COMPLETED		
	3	-
IPI	2	
O.		-
ЕС	VOC-OVA READINGS	_
00	1000 COOR OUT DOET CHIENENE DO COOKS	7
2	SITE ADDRESS 1000 23RD AVE PORT HUENEME, CA 93043	┚╽
-	PROPERTIES: pH Q SOLID UQUID USLUDGE USLURRY UOTHER	

	USE PROPER PPE DURING HANDLING	İ
	1 00 0	- [
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON LLOY & J. SIZWELL JOYL JOURNAL OF 103/02	.
·	HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE	
er l	A EPA C	i l
H.	NAME ALLIGO CLP BODO 94375	┚╽
TRANSPORTER I	ADDRESS 9650 BIRCHDOLO DU SERVICE ORDER NO.	_
S	CITY, STATE, ZIP DOWGO PD 903110 PICK UP DATE 27 TO 2	
₹	1 71	-
. ⊨	PHONE NO 3 (0) 97 (00 TYPED OF PRINTED FORL NAME & SIGNATURE DATE	-
œ -	EPA EPA	\Box
TER	NAME]
	ADDRESS SERVICE ORDER NO	_
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H	PHONE NO. () TYPED OR PRINTED FULL NAME & SIGNATURE DATE	-
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ļ	CHEMICOL HOSTE MONOCEMENT WIE	Н
	NAME CHEMICAL WASTE MANAGEMENT-KHF DISPOSAL METHOD	1
≥	ADDRESS 35251 OLD SKYLINE ROAD VLANDFILL OTHER	ı
=	<u> </u>	-
A A	CITY, STATE, ZIP KETTLEMAN CITY, CA 93239	-
E E	PHONE NO (DUV) CCC CCC CCC CCC CCC CCC CCC CCC CCC C	2
TSD FACILITY	TYPED OR ATINTED FULL NAME & SIGNATURE GEN OLD/NEW L A TONS DATE	
_	TRANS S B	
İ	C/O RT/CD HWDF NONE	
	DISCREPANCY	1

WEIGHT (LB) TIME DATE COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER 25.44 ton 50880 lb 4-03-02 TARE: YARDAGE: 00 04/03/02 PROFILE NO.

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER WEIGHED at WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature—is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (Commencing with \$1.02700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

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BAN Soil

of Colifornia—Environmental Profession Agency Approved OMB No. 2050–0039 (Expires 9-30-99) a print or type. Form designed for use on elite (12-pit	ch) typowriter.	iee Instructio	ns on back	of page	6.		ient el Taxic Substances Contr Socramento, California
UNIFORM HAZARDOUS WASTE MANIFEST	1, Generalor's DS EPA ID No. C A 6 1 7 0 0 2		Manifest Docume	и No. В Б	2. Fogo 1		on in the shadod areas uired by Federal law.
7. Generator's Name and Mailing Address Naval Base Ventura 1000 23rd Ave., Port 4. Generator's Phane 1, 2091 396-76 5. Transporter 1 Componitions 7 8 32	County t Hueneme, CA 95 562 Contact: Leo	3043	en Web	E Stew C	Martinit Document		2186 0185
EFR Environmental So	ervices, Inc. A R	0, 0, 0, 0,	1, 1, 2, 0,	D. Trons	ranspoliera 10 (file	619) 9	56 -2770
Dome Rock TRAY P. Designated Facility Hame and Site Address:	-	010101111	11 121415	F. Transp		Tan	395-1492
Superior Special Sc 5736 W. Jefferson S Phoenix, AZ 85043	ervices, Inc. Street	0 0 0 3	31.71.01.61.6	H. Facilit	\ <mark>i2gac</mark>		1713 <u>6</u> 0 68-9095
11. US DOT Description (including Proper Shippi	· · · · · · · · · · · · · · · · · · ·			กเอเกษา	13. Total	14. Unit	- 1000 N
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/ Additionphibistriphions for Motorial Listed Ab 11a: Acceptance 13				fe	ON.	ox Erited Ab	
Site: 14468 Sorrent		in Diego,	CA 9213		3		
ALWAYS WEAR APPRO 24 HOUR EMERGENCY	PRIATE PPE AND U					*СНЕМІ	REC*
16. GENERATOR'S CERTIFICATION: I hereby demarked, and lobeled, and are in all respects	clore that the contents of this consider in proper condition for transport t	prosent are fully and by highway accordi	accurately descr ng to applicable	interestions	y proper shipping of and notional gave	seme and ar iroment regu	e classified, packed, rialians.
If I am a large quentity generator, I sertily ! practicable and that I have selected the proc and the environment; OR, if I am a small que available to me and that I can afford.	hat I have a program in placa to i liceble method of treatment, stored antity generator, I have made a g	reduce the volume of ge, or disposed currence ood foith affort to the control of	and faxicity of w waitly available to minimize my was	aste generalio me which i te generalio	ted to the degree I minimizes the press a and soloct the be	have dorom int and falor ist waste mo	nined to be economically withreat to human health nagement mathod that is
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19. Discrepancy Indication Space Act WS+ 11a - Go	6P (30K). (resolved	. pet T	had i	Harris/	EFR	on 6/18/1
20. Facility Owner or Operator Certification of re Printed/Typed Nagel	coipt hazordous motorials cover		except or noted	n Hern 19.		a Mo	nih Day Year
- Cow Ap	DO NOT W	RITE BELOW	THIS UNE.	4dd	us.		GV KJOLI
1072A (1/99)	,	• • • • • • • • • • • • • • • • • • •	· Whi		SENDS THIS CO		SC WITHIN 30 DAYS.

APPENDIX D

GEOTECHNICAL TESTING RESULTS

Location 12	<u> 15ites 128 a</u>	23 AS	ated Soils Engineering sity and Moisture Curv TM D1557 or D698				
Date	7 0			Sta			
Tested by:	- · · · · ·	Sampled by	<u> </u>				
145				Test	Jata		Same and the second
	 		Compaction 57	AM.	S	ize . 3	۵
			Test No.	1	1 2		4
140 :	111111		Weight of Water Added	200	210	170	130
			Weight of Soil & Mold	3811	2903	3955	<u> </u>
			Weight - Mold	4			
135			1	1848	1848	1848	1848
100			Net Wet Weight Soil	1968	2055	12107	2062
			Wet Density - lbs/cu ft	130.0	1358	139.2	
130	11/1/1/		Dry Density - lbs/cu ft			123,2	
30	 		Stove Dry Density - lbs/cu ft	11 11 1	10000	14712	1116,0
			Oven	11716	12619	123,8	119,2
		Wet Wt. of Soil		isture Dete	ermination	S	7
125							
		(Dry WL of Soil	<u> </u>	•	,	
			Can No.	114	92	299	193
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Moisture、% of Dry Weight

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ASSOCIATED SOILS ENGINEERING, INC.

Liquid and PLastic Limit Determinations

Data and Computation Sheet ASTM D4318

Name: GEO	FON		Sample Nu	mber	790	
Name: GEO Date: 4/24/	102		Sheet Num	ber		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				PL = Plastic Lim	it Tost	
	LL = Liquid Lim	it lest				
Type of Test		LL	<u> </u>	<u> </u>	LL]	<u> </u>
Container Number		1	2	3		
Number of Blows		33	23	15	<u></u>	
Wit Sample + Tare Wet		25.25	23.72	26.32		
Wt. Sample + Tare Dry		23.57	22.23	24.19		
W. of Water		1.68	1.49	2,13		
i ere		14.65	15.62	W.64		
Wt. of Dry Soii		7.92	6.61	8.57		
Water Content		21	23	25		
Type of T est]		թլ	PL	PL	· · ·
Container Number			A	L-		
Number of Blows						
Wt. Sample + Tare Wet		1	21.27	19.40		
Wt. Sample + Tare Dry	<u> </u>		20.50	14.77		
We of Water			77	.63		
Tare			: 12.55	10,53		-11/10
Wt of Dry Soil			4.95	4.24		
Water Content			16	.15		
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5 5 7 8	9 10	15 20	25 30	35 40 50		

LABORATORY

HYDROMETER ANALYSIS

DATE: JOB NO. 13790 2002 01:04PM TEST 40 SEC. 1 HR. 24 HR. PERCENT PERCENT PERCENT CAN HOLE DEPTH TEMP READING TEMP READING READING TEMP SAND SILT CLAY CLASSIFICATION By Hydrometer 454 30 FLO 35 19.0 20 By 200 wash 2=2 28 1842 426 3 262 亨 FRX SOILS ENGINEERING OSSOCIATED

Sand Equivalent - GRADATION

JOB NO.	1 st de			DATE	SAMPLED	4-20	4-2		
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NO.				· <u></u>					
LOCATION	SAMPLED								
- Victorian victorian de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della co	Sample No.	Trial No.	Sand Reading	Clay Reading	5.E. %	Set-Up Time	Reading Time	Remarks	
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		3				·			
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SIEVE 23 1/2	0,2		0 <u>017</u>	·	9.3				
1	0.6		118		8.2				
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200	267		52.4 47	6 4	10.9	_			
Pan.	5							•	

WEST COAST SAND & GRAVEL PO BOX 5267 BUENA PARK CA 90622 714-522-0282

Re: GEOFON INC.

32ND & WEST (ENTER FROM VICTORIA)

PORT HUENEME

THE MATERIAL DELIVERED TO YOUR JOBSITE IN PORT HUENEME, COMES FROM A QUARRY IN MOORPARK. THE MATERIAL OBTAINED FROM THIS QUARRY IS A CLEAN, NATURAL PRODUCT, FREE OF ANY CONTAMINATES OR DEBRIS. WE TRUST THIS INFORMATION IS USEFUL AND IF WE CAN BE OF ANY FUTHER SERVICE, FEEL FREE TO CALL US AT ANYTIME. WE LOOK FORWARD TO DOING MORE BUSINESS WITH YOU IN THE FUTURE.

SINCERELY,

CHRIS VAN VELDHUIZEN

DISPATCH

WEST COAST SAND & GRAVEL, INC.

7312 ORANGETHORPE • P.O. BOX 5267 • BUENA PARK, CALIFORNIA 90622

Office: Phone (714) 522-4403 • Fax (714) 522-4524 Dispatch: Phone (714) 522-0282 • Fax (714) 562-2758

REPORT OF TESTS

One Sand Sample exenced Fill Sand

Sieve Analysis: (Test Method ASTM (136)

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Sand Equivalent: (Test Method ASTM DQ419)

Copies: 1-Addressee

Respectfully submitted.

BTC LABORATORIES, INC.

Charles N. Dann, Lab Supervisor

CND:hrs

APPENDIX E

COMPACTION TESTING RESULTS

SOILS FEBRING INC.

3320 AIRPORT WAY LONG BEACH CALIFORNIA 90806

DAILY REPORT OF GRADING CONTROL

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3320 AIRPORT WAY LONG BEACH CALIFORNIA 90806

DAILY REPORT OF GRADING CONTROL

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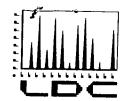
3320 AIRPORT WAY LONG BEACH CALIFORNIA 90806

DAILY REPORT OF GRADING CONTROL

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APPENDIX F

DATA VALIDATION REPORTS



LABORATORY DATA CONSULTANTS, INC.

7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Geofon, Inc.

May 1, 2002

22632 Golden Springs Drive, Suite 270 Diamond Bar, CA 91765

ATTN: Mr. Janaka Jayamaha

SUBJECT:

NBVC Port Hueneme, DO #26, Data Validation

Dear Mr. Jayamaha,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on April 19, 2002. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 8281:

SDG

Fraction

02-2078, 02-2124,

Polychlorinated Biphenyls

02-2226, 02-2278,

02-2280

The data validation was performed under EPA Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

Please feel free to contact us if you have any questions.

Richard M. Amano

Sincerely

President/Principal Chemist

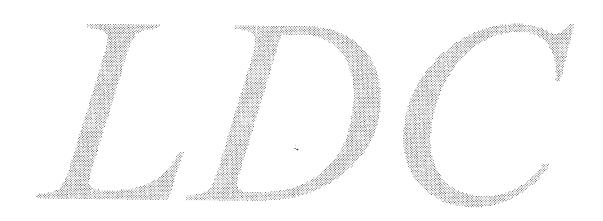
Attachment 1

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IRP SITE 12B

NBVC Port Hueneme Data Validation Reports LDC# 8281

Polychlorinated Biphenyls



Laboratory Data Consultants, Inc. **Data Validation Report**

Project/Site Name:

NBVC, Port Hueneme

Collection Date:

March 11 through March 19, 2002

LDC Report Date:

April 25, 2002

Matrix:

Soil

Parameters:

Polychlorinated Biphenyls

Validation Level:

EPA Level III & IV

Laboratory:

Applied P & Ch Laboratory

Sample Delivery Group (SDG): 02-2078

Sample Identification

4304250-12B-070

4304250-12B-071**

4304250-12B-072

4304250-12B-073

4304250-12B-074

4304250-12B-075

4304250-12B-076

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4304250-12B-067

4304250-12B-068

4304250-12B-069

4304250-12B-077MS

4304250-12B-077MSD

^{**}Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 20 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

Retention time windows were evaluated and considered technically acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits.

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Affected Compounds	Flag	A or P
4304250-12B-077MS/MSD (4304250-12B-077)	Aroclor-1260	177 (42-137)	178 (42-137)	-	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	Α

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

Samples 4304250-12B-073 and 4304250-12B-074 were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples with the following exceptions:

A 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Concentra	tion (ug/Kg)	
Compound	4304250-12B-073	4304250-12B-074	RPD
Aroclor-1260	3	37U	200

XV. Field Blanks

No field blanks were identified in this SDG.

NBVC, Port Hueneme Polychlorinated Biphenyls - Data Qualification Summary - SDG 02-2078

SDG	Sample	Compound	Flag	A or P	Reason
02-2078	4304250-12B-077	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	А	Matrix spike/Matrix spike duplicates (%R)

NBVC, Port Hueneme Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 02-2078

No Sample Data Qualified in this SDG



Project No: 04-4304.250 Collection Date: 03/19/2002 Client Name: GEOFON, Inc. Service ID: NTCRA at 12 & 23 22078 Collected by: Project ID: Received Date: Lab Sample ID: 02-2078-1 03/20/2002 Sample Matrix Soil Moisture %: 4304250-12B-070 9.8 Sample ID: Prep. Method: 3550 Instrument ID: GC: S Field Sample Sample Type: Prep. Date: Anal. Date: 8082 03/20/02 03/21/02 Anal. Method: Prep. No: 1 of 1 Anal. Time: 19:09 Batch No: 02G1863 Data File Name: 2078.001 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol 10 mI

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	37	< 37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	73	< 7 3	. U ,
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	37	130	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	69	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	68	
# 0	of out-of-control				0	•

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

- J Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)
- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

Ja/20/6V

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/19/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	
		Lab Sample ID:	02-2078-2	Received Date:	03/20/2002
Sample ID:	4304250-12B-071	Sample Matrix	Soil	Moisture %:	11.9
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	19:34
Data File Name	2078.002	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	37	< 37	υ
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	75	< 75	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	\cdot \mathbf{U}
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	37	120	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	84	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	88	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

[A/30/0V

Client Name: Project No: 04-4304.250 Collection Date: 03/19/2002 GEOFON, Inc. Service ID: Project ID: NTCRA at 12 & 23 22078 Collected by: Lab Sample ID: 02-2078-3 Received Date: 03/20/2002 Sample ID: 4304250-12B-072 Sample Matrix Soil Moisture %: 9.5 Sample Type: Field Sample Prep. Method: 3550 Instrument ID: GC: S Anal. Method: 8082 Prep. Date: 03/20/02 Anal. Date: 03/21/02 Batch No: 02G1863 Prep. No: 1 of 1 Anal. Time: 19:59 Data File Name: 2078.003 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. $1.0 \ mL$

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U.
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	73	< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	< 36	U
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	77	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	86	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

99/2010

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/19/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	
		Lab Sample ID:	02-2078-4	Received Date:	03/20/2002
Sample ID:	4304250-12B-073	Sample Matrix	Soil	Moisture %:	12.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	20:24
Data File Name	: 2078.004	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	38	< 38	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	75	< 75	Ū
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	38	< 38	. U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	38	< 38	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	38	< 38	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	38	< 38	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	38	3	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	81	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	84	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

1/20/5V

GEOFON, Inc. Project No: 04-4304.250 Client Name: Collection Date: 03/19/2002 NTCRA at 12 & 23 Service ID: 22078 Project ID: Collected by: Lab Sample ID: 02-2078-5 Received Date: 03/20/2002 Sample Matrix Sample ID: 4304250-12B-074 Soil Moisture %: 11.9 Sample Type: Prep. Method: 3550 Instrument ID: Field Sample GC: S Anal. Method: Prep. Date: 03/20/02 Anal. Date: 8082 03/21/02 Batch No: 02G1863 Prep. No: 1 of 1 Anal. Time: 20:49 Data File Name: 2078.005 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	37	< 37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	75	< 75	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	37	< 37	U
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	73	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	79	
# •	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

KAIM/EV

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/19/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	
Sample ID:	4304250-12B-075	Lab Sample ID: Sample Matrix	02-2078-6 Soil	Received Date: Moisture %:	03/20/2002 9.0
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	21:14
Data File Name	: 2078.006	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	73	< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	47	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	78	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	83	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

9420/00

APCL Data Highway to GEOFON, Inc.

04/04/2002 10:50 (p8)

Client Name: GEOFON, Inc. Project No: 04-4304.250 Collection Date: 03/19/2002 NTCRA at 12 & 23 Service ID: 22078 Project ID: Collected by: Lab Sample ID: 02-2078-7 Received Date: 03/20/2002 Sample ID: 4304250-12B-076 Sample Matrix Soil Moisture %: 14.5 Prep. Method: 3550 Sample Type: Field Sample Instrument ID: GC: S Anal. Method: 8082 Prep. Date: 03/20/02 Anal. Date: 03/21/02 Anal. Time: Batch No: 02G1863 Prep. No: 1 of 1 21:38 Data File Name: 2078.007 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. $1.0 \ mL$

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	39	< 39	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	77	< 77	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	39	< 39	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	39	< 39	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	39	< 39	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$. 39	< 39	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$. 39	270	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	79	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	· 83	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

E - Exceed calibration range

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

B - A positive value was found in the method blank

D - Diluted

10/20/00

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/19/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	
		Lab Sample ID:	02-2078-8	Received Date:	03/20/2002
Sample ID:	4304250-12B-077	Sample Matrix	Soil	Moisture %:	5.2
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	22:03
Data File Name	: 2078.008	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35	< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	Ū
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	3 5	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	110	٤
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	91	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	95	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

ra/m/m

04-4304.250 Client Name: GEOFON, Inc. Project No: Collection Date: 03/11/2002 Project ID: NTCRA at 12 & 23 Service ID: 22078 Collected by: Lab Sample ID: 02-2078-9 Received Date: 03/20/2002 4304250-12B-060 Sample Matrix Moisture %: Sample ID: Soil 10.4 3550 Sample Type: Field Sample Prep. Method: Instrument ID: GC: S Anal. Method: Prep. Date: 03/20/02 Anal. Date: 8082 03/21/02 02G1863 Prep. No: 1 of 1 Anal. Time: Batch No: 15:37 Data File Name: 2078.009 Sample Amount: 30.0 g Dilution Factor: 20 Extract Vol. 1.0 mL

#	Component Name	CAS No.	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	740	< 740	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	1500	<1500	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	740	< 740	. U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	740	< 740	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	740	< 740	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	740	< 740	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	740	3100	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	117	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	100	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Palzolov

Project No: 04-4304.250 Collection Date: 03/11/2002 GEOFON, Inc. Client Name: Service ID: 22078 Collected by: NTCRA at 12 & 23 Project ID: 02-2078-10 Received Date: 03/20/2002 Lab Sample ID: Moisture %: Sample Matrix Soil 9.5 4304250-12B-061 Sample ID: Instrument ID: 3550 GC: S Prep. Method: Field Sample Sample Type: Anal. Date: 03/21/02 Prep. Date: 03/20/02 8082 Anal. Method: Anal. Time: Prep. No: 1 of 1 16:02 02G1863 Batch No: Dilution Factor: 20 Sample Amount: 30.0 g Data File Name: 2078.010 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	730	< 730	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	1500	<1500	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	730	< 730	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	730	< 730	U
- 5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	730	< 730	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	730	<730	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	730	3900	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	109	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	92	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/20/50

Client Name: GEOFON, Inc. Project No: 04-4304.250 Collection Date: 03/11/2002 NTCRA at 12 & 23 Project ID: Service ID: 22078 Collected by: Lab Sample ID: 02-2078-11 Received Date: 03/20/2002 4304250-12B-062 Sample Matrix Sample ID: Soil Moisture %: 10.0 Sample Type: Field Sample Prep. Method: 3550 Instrument ID: GC: S 03/20/02 Anal. Method: 8082 Prep. Date: Anal. Date: 03/21/02 Batch No: 02G1863 Prep. No: 1 of 1 Anal. Time: 16:49 Data File Name: 2078.011 Sample Amount: 30.0 g Dilution Factor: 20 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	730	< 730	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	1500	<1500	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	730	< 730	\mathbf{U}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	730	< 730	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	730	< 730	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	730	< 730	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	730	4100	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	111	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	92	
# 0	of out-of-control			•	0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/20/20

APCL Data Highway to GEOFON, Inc. 04/04/2002 10:50 (p13)

₹ 22078 File: FORM-1 Page: 1

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/10/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	00/13/2002
Tioject ID.	11 Olta at 12 & 20	Lab Sample ID:	02-2078-12	Received Date:	03/20/2002
Sample ID:	4304250-12B-063	Sample Matrix	Soil	Moisture %:	7.3
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	22:28
Data File Name:	2078.012	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	4	J
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	71	< 71	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4.	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U,
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu \mathrm{g/kg}$	36 .	120	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	79	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	82	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Talmos

Collection Date: 03/19/2002 Client Name: GEOFON, Inc. Project No: 04-4304.250 NTCRA at 12 & 23 Service ID: 22078 Collected by: Project ID: Lab Sample ID: 02-2078-13 Received Date: 03/20/2002 4304250-12B-064 Sample Matrix Soil Moisture %: Sample ID: 9.6 Prep. Method: 3550 Instrument ID: GC: S Sample Type: Field Sample Prep. Date: 03/20/02 Anal. Date: 03/21/02 Anal. Method: 8082 Prep. No: 1 of 1 Anal, Time: 22:53 Batch No: 02G1863 Sample Amount: 30.0 g Dilution Factor: 1 Data File Name: 2078.013 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	37	< 37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$. 73	< 73	Ū
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	37	< 37	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	37	38	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	73	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	81	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

M/20/20

04-4304.250 Collection Date: 03/19/2002 GEOFON, Inc. Project No: Client Name: 22078 Collected by: Service ID: NTCRA at 12 & 23 Project ID: Lab Sample ID: 02-2078-14 Received Date: 03/20/2002 Moisture %: 8.3 Sample Matrix Soil Sample ID: 4304250-12B-065 3550 Instrument ID: GC: S Prep. Method: Field Sample Sample Type: 03/20/02 Anal. Date: 03/22/02 Prep. Date: Anal. Method: 8082 1 of 1 Anal. Time: 01:09 Prep. No: 02G1863 Batch No: Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2078.014

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu \mathrm{g/kg}$	72	< 72	U
-3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	Ü
6.	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	36	61	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	68	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	72	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

12/20/51

Project No: 04-4304.250 Collection Date: 03/19/2002 Client Name: GEOFON, Inc. 22078 Collected by: Service ID: Project ID: NTCRA at 12 & 23 02-2078-15 Received Date: 03/20/2002 Lab Sample ID: Moisture %: Sample Matrix Soil 6.7 Sample ID: 4304250-12B-066 3550 Instrument ID: GC: S Prep. Method: Sample Type: Field Sample Prep. Date: 03/20/02 Anal. Date: 03/21/02 Anal. Method: 8082 Prep. No: 1 of 1 Anal. Time: 13:58 02G1863 Batch No: Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2078.015 1.0 mL Extract Vol.

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35	< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	71	< 71	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}\mathrm{g/kg}$	3 5	< 35	. U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	35	29	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	65	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	70	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

12/20/5V

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12 & 23	Project No: Service ID:	04-4304.250 22078	Collection Date: Collected by:	03/19/2002
-		Lab Sample ID:	02-2078-16	Received Date:	03/20/2002
Sample ID:	4304250-12B-067	Sample Matrix	Soil	Moisture %:	9.5
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	14:22
Data File Name	: 2078.016	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	73	< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	36	< 36	U
. 4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	$\mathbf{\Omega}$
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	36	5	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	68	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	7 5	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

10/20/00

				~ " . ~	
Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/19/2002
Project ID:	NTCRA at 12 & 23	Service ID:	22078	Collected by:	
		Lab Sample ID:	02-2078-17	Received Date:	03/20/2002
Sample ID:	4304250-12B-068	Sample Matrix	Soil	Moisture %:	6.8
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/20/02	Anal. Date:	03/21/02
Batch No:	02G1863	Prep. No:	1 of 1	Anal. Time:	14:47
Data File Name:	2078.017	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35	< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	71	< 71	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}\mathrm{g/kg}$	35	< 35	\mathbf{U}
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	35	3	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	76	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	83	
# (of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier:	Π.	Not.	Detected	OΤ	less	t.han	MDL

- J Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)
- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

1/2/5

04-4304.250 Collection Date: 03/19/2002 Project No: Client Name: GEOFON, Inc. Service ID: 22078 Collected by: NTCRA at 12 & 23 Project ID: Received Date: Lab Sample ID: 02-2078-18 03/20/2002 Moisture %: Sample Matrix Soil 9.4 4304250-12B-069 Sample ID: 3550 Instrument ID: GC: S Prep. Method: Sample Type: Field Sample Anal. Date: Prep. Date: 03/20/02 03/21/02 Anal. Method: 8082 Anal. Time: Prep. No: 1 of 1 15:12 Batch No: 02G1863 Sample Amount: 30.0 g Dilution Factor: 1 Data File Name: 2078.018 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	73	< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	36	150	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	7 6	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	82	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/20/0V

LDC #: 8281A3	VALIDATION COMPLETENESS WORKSHEET	Date: 4-24-02
SDG #: 02-2078	X_EPA Level IIINFESC Level III /21/	Page:of
Laboratory: Applied P & C	Ch Laboratory / 2V	Reviewer: Z. Pan
METHOD: GC Polychlorinate	ed Biphenyls (FPA SW 846 Method 8082)	2nd Reviewer:

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
i.	Technical holding times	A	Sampling dates: 3-11-02 & 3-19-02
11.	GC/ECD Instrument Performance Check	2	
III.	Initial calibration	A	/RSD
IV.	Continuing calibration	Ä	/D
V.	Blanks	A	
VI.	Surrogate spikes	Α	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Regional quality assurance and quality control	Z	
Xa.	Florisil cartridge check	N	
Xb.	GPC Calibration	N	
XI.	Target compound identification	₩A	not reviewed for terel III
XII.	Compound quantitation and reported CRQLs	*A	Į.
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	SW	D, = 4, 5
XV.	Field blanks	N	

Note:

A = Acceptable

N = Not provided/applicable

SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples:

AU Soil

1	4304250-12B-070	11	4304250-12B-062	21	02G1863-MB	31
2	4304250-12B-071	12	4304250-12B-063	22		32
3	4304250-12B-072	13	4304250-12B-064 **	23		33
4 D1	4304250-12B-073	14	4304250-12B-065	24		34
5 D	4304250-12B-074	15	4304250-12B-066	25		35
6	4304250-12B-075	16	4304250-12B-067	26		36
7	4304250-12B-076	17	4304250-12B-068	27		37
8	4304250-12B-077	18	4304250-12B-069	28		38
9	4304250-12B-060	19	4304250-12B-077MS	29		39
10	4304250-12B-061	20	4304250-12B-077MSD	30		40

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Z · Pa
2nd Reviewer:

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	Yes	No	NA	Findings/Comments
i, Technical holding times				
All technical holding times were met.	/			
Cooler temperature criteria was met.				·
II.: GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?			V	
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	/			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	V			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	AW	/		
Did the initial calibration meet the curve fit acceptance criteria?	\			
Were the RT windows properly established?	/			
Were the required standard concentrations analyzed in the initial calibration?	/			
IV. Continuing callbration				
What type of continuing calibration calculation was performed?%D or%R				·
Were Evaluation mix standards analyzed prior to the initial calibration and sample analysis?				
Were endrin and 4,4'-DDT breakdowns \leq 15%.0 for individual breakdown in the Evaluation mix standards?			/	
Was a continuing calibration analyzed daily?				
Were all percent differences (%D) ≤ 15%.0 or percent recovieries 85-115%?				
Were all the retention times within the acceptance windows?				
V. Blanks				
Was a method blank associated with every sample in this SDG?	\			
Was a method blank analyzed for each matrix and concentration?	\			
Were extract cleanup blanks analyzed with every batch requiring clean-up?	>			
Was there contamination in the method blanks or clean-up blanks? If yes, please see the Blanks validation completeness worksheet.		1		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?				
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			/	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			7	

LDC #: 8281 A 3 SDG #: 02 - 2078

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Z. Page: 2nd Reviewer: _____

Validation Area	Yes	No	NA	Findings/Comments
VII. Metrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	/			
Was a MS/MSD analyzed every 20 samples of each matrix?	V			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	/			
VIII. Leboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?				
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?				
IX, Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?				
Were the performance evaluation (PE) samples within the acceptance limits?				
X. Target compound identification				
Were the retention times of reported detects within the RT windows?		•		
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?				
XII. System performance				
System performance was found to be acceptable.				
XIII. Overall assessment of data				-
Overall assessment of data was found to be acceptable.				
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.				
Target compounds were detected in the field duplicates.		<i></i>		
XV. Field: blanks				
Field blanks were identified in this SDG.		_/		
Target compounds were detected in the field blanks.			V	

VALIDATION FINDINGS WORKSHEET

	Page:_	1	of [
	Reviewer:	2	- Pan
2nd	Reviewer:		
		- 1	

METHOD: Pesticide/PCBs (EPASW 846 Method 8081)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG.
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Arocior-1248	нн.
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	11.
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ.
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. DB 608	кк.
F. Aldrin	N. Endosulfan sulfate	V. Arocior-1016	DD. DB 1701	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Araclor-1221	EE.	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF.	NN.

Notes:	

LDC #: 828/A3 SDG #: 02-2078

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: Z. Pan
2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y(N)N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits stated below?

Level IV/D Only

Y N (N/A) Were the percent recoveries (%R) and the relative percent differences (RPD) recalculated?

Y N N/M Were the %R and RPD reported results within 10.0% of the recalculated results?

#	Date	MS/MSD ID	Compound	MS %R (Limits	s)	М %R (I	SD Limits)	RPD (Lin	nits)	Associated Samples	Qualifications
				()	()	()		
1	3-20-02	# 19/20	BB	177 (42-	1371	178 (4	12-137)	()	#8	J/A Det
				()	()	()		
				()	()	(.)		Qual All comp
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LDC #: 828/A3 SDG #: 02-2078

VALIDATION FINDINGS WORKSHEET Field Duplicates

Page:_	of/
Reviewer:_	Z. Par
2nd reviewer:	~

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

(YZN	N/A
(Y)N	N/A

Were field duplicate pairs identified in this SDG?

		110/10	
••	Concentrat	tion (19/kg)	
Compound	# 4	1 5	RPD
Aroclor - 1260	3	ND (37U)	200
			
	Concentrati	on (
Compound			RPD
			RFD
			
	Concentration	on (
Compound			RPD
			·· ···
	Concentratio	on (
Compound			0.00
			RPD
		 	

LDC#: 828 | A3 SDG#: 02-2078

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	of	f <u> /-</u>
Reviewer:	_ 군.	Pan
2nd Reviewer:		

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The calibration factors (CF) and relative standard deviation (%RSD) were calculated for selected compounds using the following calculations:

CF = Concentration/Area %RSD = 100 * (S/X)

Where:

S = Standard deviation of calibration factors

X = Mean of calibration factors

				Standard		Recalculated		Reported	
Calibration				concentration	Response				T
Date	Column	Compound	Standard	(ppb)	(Area)	Calibration Factor (CF)	%RSD	Calibration Factor (CF)	%RSD
3/21/02	DB-608	Aroclor 1260 - 1	Point 1	100	146,044	1,460.44		1460.44	
	(GC-S)		Point 2	500	591,121	1,182.24		1182.24	1
	(Channel : A)		Point 3	1000	1,115,487	1,115.49		1115.49	1
			Point 4	1500	1,549,578	1,033.05	}	1033.05	1
			Point 5	2500	2,454,118	981.65	į.	981.65	1
			Point 6					· · · · · · · · · · · · · · · · · · ·	1
			Mean calibi	ration factor		1154.574	16.234	1154.574	16.234

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 828/A3 SDG #: 02-2078

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

	Page:_	1 of 1
•	Reviewer:	Z. Pan
2nd	Reviewer:	
		/

METHOD: GC Pesticides/PCBs (EPA SW 846	Method 8081)			
The calibration verification percent difference	(%D) values were recalculated for	Aroclor - 1260 -		using the following calculation:
Percent difference (%D) = 100 * (N - C)/N Where	: N = Initial Calibration Factor or C = Calibration Factor from Continu		Calculated Amount (ng)	

Standard ID	Calibration Date/Time	Column	Compound	N	С	Recalculated %D	Reported %D
 				 			
1863GX02		ChimeOf	1260-1	1000	908.378	9.2	9.2
	(17:17)						
1							
				;			
					·		
<u> </u>							
<u> </u>	- 						
<u> </u>							
				į			

Comments: Refer to Calibration \	<u>Verification findings worksheet for lis</u>	t of qualifications and	associated samples v	when reported results of	o not agree within 10.0% of the
recalculated results.					
				· · · · · · · · · · · · · · · · · · ·	
					·

LDC #: 828/A3 SDG #: 02-2078

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:_	of
Reviewer:_	Z. Pan
2nd reviewer:_	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

Sample ID:

SS = Surrogate Spiked

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		50.0 (ppb)	(pp)	Reported	Recalculated	
Tetrachloro-m-xylene	ChannelA	43.71	43.91	88	88	. 0
Tetrachloro-m-xylene			•			1
Decachlorobiphenyl .	V	V 42.15	42.15	84	84	V
Decachlorobiphenyl				······································		

Sample ID:____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene				·		2.0
Tetrachloro-m-xylene						
Decachlorobiphenyl					<u> </u>	
Decachlorobiphenyl						·

Sample ID:____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		-		Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:_____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
=======================================				Reported	Recalculated	
Tetrachioro-m-xylene					î	
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:			
·			
	· · · · · · · · · · · · · · · · · · ·		 1 - 1 - 1

LDC #: 8281A3 SDG #: 02 - 2078

VALIDATION FINDINGS WORKSHEET <u>Matrix Spike/Matrix Spike Duplicates Results Verification</u>

	Page:_	1 of 1	
	Reviewer:	Z.(P	an
2nd	Reviewer:		
		/	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where

SSC = Spiked sample concentration SA = Spike added SC = Concentration

RPD = 1 MS - MSD 1 * 2/(MS + MSD)

MS = Matrix splike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples: # 17

,		pike Idgd	Sample Concentration		d Sample entration	Matrix	c Spike	Matrix Spi	ke Duplicate	М	S/MSD
Compound	($\hat{\mathcal{V}}$	9/kg)	(19/kg)	()	Percent	Recovery	Percent	Recovery	RPD	
	MS	MSD	7.J	мѕ	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
gamma-BHC											
Heptachlor											
Aldrin			·								
Dieldrin											
Endrin											
4,4'-DDT											
Aroche 1016	176	176	0	131	133	74	74	76	76	3	3
V 1260	V		110	421	423	177	177	178	178	1	1
				. ,							•
•											

omments:	Refer of Matrix Spike/Matrix Spike Duplicates finding	worksheet for list	t of qualifications an	d associated samples	s when reported resu	ults do not agree within
0.0% of the	recalculated results.					
						·

LDC #:	828/A3
	02-2078

Df

%S

Dilution Factor.

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	\perp	of1	
Reviewer:_	2	Pa	u
2nd reviewer:_		~	

Percent solids, applicable to soil and solid matrices

		results for # 2, 13 and verified using the following equation:	reported with a positive detect were
Conc	entrati	on = $(A_{\bullet})(V_{\bullet})(DF)$ $(RF)(V_{\bullet})(V_{\bullet})(%S)$	Example:
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D:
RF	=	Average response factor of the calibration standard.	Conc. = () () ()
V.	=	Volume or weight of sample extract in milliliters (ml) or grams (g).	
V,	=	Volume of extract injected in microliters (ul)	· _
V.	=	Volume of the concentrated extract in microliters (ul)	=

	only.		Reported	Calculated	
#	Sample ID	Compound	Concentration (19/Kg)	Concentration (U9/Kq)	Acceptable (Y/N)
/	#2	Arader 1260	120	120	Y
					
	13	V	38	38	
					·
		For # 2, 1260-1			
		(744199)			
		(1154.574)			
				ļ	
		= 644.57			
		r 12/A			
 		For 1260:		 	
		(644.57 + 706 21 + 599	22 + 684	59 + 614 23	3)/5
			1 -2 1 -01:1		1/
		1 /kg			
		7			·

Note:	649.76 (5mL) (1)	
	(30.09)(0.881)	
	J	

 $= 122.9 \quad v_9/k_9 \approx 120 \quad v_9/k_9$

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name:

NBVC, Port Hueneme

Collection Date:

March 26 through March 27, 2002

LDC Report Date:

April 25, 2002

Matrix:

Soil

Parameters:

Polychlorinated Biphenyls

Validation Level:

EPA Level III & IV

Laboratory:

Applied P & Ch Laboratory

Sample Delivery Group (SDG): 02-2226

Sample Identification

4304250-12B-106	4304250-12B-126
4304250-12B-107	4304250-12B-127
4304250-12B-108	4304250-12B-128
4304250-12B-109	4304250-12B-129
4304250-12B-110**	4304250-12B-130**
4304250-12B-111	4304250-12B-131
4304250-12B-112	4304250-12B-132
4304250-12B-113	4304250-12B-133
4304250-12B-114	4304250-12B-134
4304250-12B-115	4304250-12B-126MS
4304250-12B-116	4304250-12B-126MSD
4304250-12B-117	
4304250-12B-118	
4304250-12B-119	
4304250-12B-120**	
4304250-12B-121	
4304250-12B-122	
4304250-12B-123	

4304250-12B-124 4304250-12B-125

^{**}Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 31 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

Retention time windows were evaluated and considered technically acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits.

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

Samples 4304250-12B-121 and 4304250-12B-132, samples 4304250-12B-127 and 4304250-12B-133, and samples 4304250-128-110** and 4304250-12B-134 were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples with the following exceptions:

	Concentra		
Compound	4304250-12B-121	4304250-12B-132	RPD
Aroclor-1260	180	220	20

	Concentra	Concentration (ug/Kg)		
Compound	4304250-12B-127	4304250-12B-133	RPD	
Aroclor-1260	1000	740	30	

·	Concentrat		
Compound	4304250-12B-110**	4304250-12B-134	RPD
Aroclor-1260	2300	2300	0

XV. Field Blanks

No field blanks were identified in this SDG.

NBVC, Port Hueneme Polychlorinated Biphenyls - Data Qualification Summary - SDG 02-2226

No Sample Data Qualified in this SDG

NBVC, Port Hueneme Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 02-2226

No Sample Data Qualified in this SDG

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	.03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-1	Received Date:	03/29/2002
Sample ID:	4304250-12B-106	Sample Matrix	Soil	Moisture %:	7.6
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	09:48
Data File Name:	2226.101	Sample Amount:	30.0 g	Dilution Factor:	10

#	Component Name	CAS No	Unit	RL	Result	. Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2-	_րց/kg	360	<360	- U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	710	< 710	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	360	< 360	\mathbf{u}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	360	2000	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	96	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	91	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

120/00

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 22226 02-2226-2	Collection Date: Collected by: Received Date:	03/26/2002
Sample ID:	4304250-12B-107	Sample Matrix	Soil	Moisture %:	11.0
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	10:38
Data File Name:	: 2226.102	Sample Amount:	30.0 g	Dilution Factor:	5
Extract Vol.	1.0 mL	•			

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PGB-1016 (AROCLOR-1016)	-12674-11=2	μg/kg	190	< 190	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	370	< 370	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	190	< 190	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	190	< 190	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	190	< 190	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	190	< 190	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}^{\prime}$ g/kg	190	890	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	90	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	86	
# 0	of out-of-control				. 0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

/a/20/00

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID: Lab Sample ID:	22226 02-2226-3	Collected by: Received Date:	03/29/2002
Sample ID:	4304250-12B-108	Sample Matrix	Soil	Moisture %:	9.5
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	11:03
Data File Name:	2226.103	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol	1 0 mT.				

#	Component Name	CAS No	Unit	RL	Result	.Qualifie
1	PCB-1016 (AROCLOR-1016)	12674-11-2	μg/kg	360	< 360	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	730	< 730	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}^{\rm g/kg}$	360	< 360	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	360	2300	4.
Sur	rogates			Control Limit, %	Surro. Rec.%	-
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	94	
2	2,4,5,6-TETRACHLORO-META-XYLENI	E 877-09-8		36-138	89	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

of out-of-control

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

			•	, -	~~ ~· ,
Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
-		Lab Sample ID:	02-2226-4	Received Date:	03/29/2002
Sample ID:	4304250-12B-109	Sample Matrix	Soil	Moisture %:	6.6
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	11:28
Data File Name:	2226.104	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL			•	

#	Component Name	CAS No	Unit	RL	Result	Qualifier
- 1:	PGB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	350	< 350	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	710	<710	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	350	<350	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	350	<350	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	350	< 350	\mathbf{U}
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	350	< 350	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	350	1700	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	92	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	89	
# 0	of out-of-control	-			0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-5	Received Date:	03/29/2002
Sample ID:	4304250-12B-110	Sample Matrix	Soil	Moisture %:	8.8
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	11:53
Data File Name	: 2226.105	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL		•		

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	360	<360	Ωrzzw
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	720	< 720	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	360	< 360	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	360	2300	
Sur	rogates			Control Limit, %	Surro. Rec.%	, 0
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	103	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	96	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

19/20/02

47010

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-6	Received Date:	03/29/2002
Sample ID:	4304250-12B-111	Sample Matrix	Soil	Moisture %:	9.2
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	12:43
Data File Name	: 2226.106	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	P.CB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	360	<360	U . 157 <u>42 14</u> 3-3
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	730	< 730	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	<360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	<360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U .
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	360	<360	${f U}$
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	360	2200	
Su	rrogates			Control Limit, %	Surro. Rec.%	·
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	70	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	90	
	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
- 3		Lab Sample ID:	02-2226-7	Received Date:	03/29/2002
Sample ID:	4304250-12B-112	Sample Matrix	Soil	Moisture %:	10.2
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	13:08
Data File Name	: 2226.107	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifie
-1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	370	<370-	allu
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	740	< 740	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	370	<370	\mathbf{U}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	370	<370	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	370	< 370	\mathbf{U}
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	370	< 370	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	370	1900	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	74	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	67	
# c	f out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/30/0x

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 22226 02-2226-8	Collection Date: Collected by: Received Date:	03/26/2002
Sample ID:	4304250-12B-113	Sample Matrix	Soil	Moisture %:	8.2
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	13:33
Data File Name	: 2226.108	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg ··	360	360	.: U ===================================
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	720	< 720	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	360	< 360	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	360	1400	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	95	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	89	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-9	Received Date:	03/29/2002
Sample ID:	4304250-12B-114	Sample Matrix	Soil	Moisture %:	9.2
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	13:57
Data File Name:	2226.109	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No .	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	360	₹360	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	730	. < 730	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	\mathbf{U}
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	360	<360	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	360	1100	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	105	
2	2,4,5,6-TETRACHLORO-META-XYLEN	IE 877-09-8		36-138	97	
# c	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

19/30/0V

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/26/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
-		Lab Sample ID:	02-2226-10	Received Date:	03/29/2002
Sample ID:	4304250-12B-115	Sample Matrix	Soil	Moisture %:	10.3
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	14:22
Data File Name	: 2226.110	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	370	< 370	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	740	< 740	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	370	< 370	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	370	< 370	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	370	< 370	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	370	< 370	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	370	2200	
Sur	rogates	***		Control Limit, %	Surro. Rec.%	·
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	104	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	93	
# .	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
-		Lab Sample ID:	02-2226-11	Received Date:	03/29/2002
Sample ID:	4304250-12B-116	Sample Matrix	Soil	Moisture %:	9.0
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	14:47
Data File Name:	2226.111	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR-1016)	12674-11-2	μg/kg	360	< 360	. U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	730	< 730	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	360	< 360	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	360	< 360	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	360	< 360	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	360	< 360	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	360	1400	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	106	
2	2,4,5,6-TETRACHLORO-META-XYLE	NE 877-09-8		36-138	98	
# c	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

14/20/6x

Client Name: Project ID: Sample ID: Sample Type:	GEOFON, Inc. NTCRA at 12B &23 4304250-12B-117 Field Sample	Project Service Lab San Sample Prep. M	ID: nple ID: Matrix	02-2226-12 Soil	Collection Date: Collected by: Received Date: Moisture %: Instrument ID:	03/27/2002 03/29/2002 9.9 GC: S
Anal. Method: Batch No: Data File Name: Extract Vol.	8082 02G1957	Prep. D Prep. N	late:	03/29/02 1 of 1	Anal. Date: Anal. Time: Dilution Factor:	04/01/02 10:13
# Compone	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	CAS No	Unit	RL	Result	Qualifier
2 PCB-122 3 PCB-123 4 PCB-124 5 PCB-124 6 PCB-125	6-(AROCLOR 1016)———————————————————————————————————	12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	μg/kg μg/kg μg/kg μg/kg μg/kg μg/kg μg/kg	730 1500 730 730 730 730 730	<730 <1500 <730 <730 <730 <730 <730	U U U U U
Surrogates 1 DECACH	ILOROBIPHENYL (DCB)	11-53-0		Control Limit, %	% Surro. Rec.	%

877-09-8

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

of out-of-control

2,4,5,6-TETRACHLORO-META-XYLENE

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

36-138

B - A positive value was found in the method blank

91

0

D - Diluted

					_
Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 22226 02-2226-13	Collection Date: Collected by: Received Date:	03/27/2002 03/29/2002
Sample ID:	4304250-12B-118	Sample Matrix	Soil	Moisture %:	10.7
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1957 2226.113	Prep. Method: Prep. Date: Prep. No: Sample Amount:	1 of 1		GC: S 04/01/02 15:12 20

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	740	< 740	u U
	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	1500	< 1500	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	740	< 740	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	740	< 740	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	740	< 740	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	740	< 740	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	740	5400	
Suri	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	112	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	97	
-	f out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

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Одсто таки.	GEOFON, Inc. NTCRA at 12B &23	Service ID:	22226 02-2226-14	10000	03/29/2002
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1957 2226.114	Sample Matrix Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/29/02 1 of 1	Institution 12.	9.4 GC: S 04/01/02 15:37 10
17-1	10 ml			the state of the s	

.racı	Vol. 1.0 mL	CAS No	Unit	RL	Result	Qualifier
#	Component Name	CAS NO		_		
1 2 3 4 5 6	PCB-1016 (AROCLOR 1016) PCB-1221 (AROCLOR 1221) PCB-1232 (AROCLOR 1232) PCB-1242 (AROCLOR 1242) PCB-1248 (AROCLOR 1248) PCB-1254 (AROCLOR 1254) PCB-1260 (AROCLOR 1260)	12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	μg/kg μg/kg μg/kg μg/kg μg/kg μg/kg μg/kg	730 360 360 360 360 360 360	<730 < 360 < 360 < 360 < 360 < 360 < 360 < 360	U U U U U
Sur 1 2	rogates DECACHLOROBIPHENYL (DCB) 2,4,5,6-TETRACHLORO-META-XYLENE of out-of-control	11-53-0 877-09-8		Control Limit, % 35-139 36-138	Surro. Rec.% 100 90 0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
-		Lab Sample ID:	02-2226-15	Received Date:	03/29/2002
Sample ID:	4304250-12B-120	Sample Matrix	Soil	Moisture %:	7.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	04:12
Data File Name:	2226.015	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg	36		· U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$. 71	< 71	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	130	
Sur	rogates			Control Limit, %	Surro. Rec.%	a co
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	70	eg.
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	80	24 26 151
# c	f out-of-control				0	. 40. 73

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blar
- D Diluted

Project No: Collection Date: 03/27/2002 Client Name: GEOFON, Inc. 04-4304.250 Service ID: 22226 Collected by: NTCRA at 12B &23 Project ID: Lab Sample ID: 02-2226-16 Received Date: 03/29/2002 4304250-12B-121 Sample Matrix Soil Moisture %: 8.0 Sample ID: Prep. Method: 3550 Instrument ID: GC: S Sample Type: Field Sample Anal. Date: 04/01/02 Prep. Date: 03/29/02 Anal. Method: 8082 Prep. No: 1 of 1 Anal. Time: 04:37 Batch No: 02G1957 Data File Name: 2226.016 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg-		-2:: < 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	72	< 72	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	180	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1 DECACHLOROBIPHENYL (DCB)		11-53-0		35-139	76	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	87	
# 0	of out-of-control		•		0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-17	Received Date:	03/29/2002
Sample ID:	4304250-12B-122	Sample Matrix	Soil .	Moisture %:	10.9
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	16:02
Data File Name:	2226.117	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR-1016)	-12674-11-2		370	< 370	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	740	< 740	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	370	< 370	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	370	< 370	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	370	< 370	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	370	< 370	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	370	1400	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	93	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	86	
# of out-of-control					0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

		D M	04-4304.250	Collection Date:	03/27/2002
Client Name:	GEOFON, Inc.	Project No:			00/21/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
2 10,000		Lab Sample ID:	02-2226-18	Received Date:	03/29/2002
Sample ID:	4304250-12B-123	Sample Matrix	Soil	Moisture %:	7.4
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	05:27
Data File Name	: 2226.018	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
. 1.	PCB-1016 (AROCLOR 1016)	-12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	71	< 71	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	150	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	65	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	75	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

/4/200/6V

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-19	Received Date:	03/29/2002
Sample ID:	4304250-12B-124	Sample Matrix	Soil	Moisture %:	13.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1957	Prep. No:	1 of 1	Anal. Time:	05:52
Data File Name:	2226.019	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier	
_1	PCB-1016 (AROCLOR-1016)	12674-11-2	μg/kg	38	<38		
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	76	< 76	${f U}$	
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	38	<38	${f U}$	
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	38	<38	${f U}$	
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	38	< 38	U	
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	38	< 38	${f U}$	
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	38	47		
Sur	rogates			Control Limit, %	Surro. Rec.%		-
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	70		
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	81		
# 0	of out-of-control				0		

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
•		Lab Sample ID:	02-2226-20	Received Date:	03/29/2002
Sample ID:	4304250-12B-125	Sample Matrix	Soil	Moisture %:	8.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	09:33
Data File Name:	2226.020	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL		·		

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	<36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	72	< 72	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	36	<3 6	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	<36	U.
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	19	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1 DECACHLOROBIPHENYL (DCB)		11-53-0		35-139	68	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	. 75	
# o	f out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

[4/20/6V

Client Project	t ID:	GEOFON, Inc. NTCRA at 12B &23 4304250-12B-126	Project Service Lab San Sample	ID: nple ID:	04-4304.250 22226 02-2226-21 Soil	Collection Date: Collected by: Received Date: Moisture %:	03/27/2002 03/29/2002 5.2
Anal. Batch	e Type: Method: No: 'ile Name:	Field Sample 8082 02G1957	Prep. M Prep. D Prep. N	lethod: ate:	3550 03/29/02 1 of 1	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 04/01/02 08:08
#	Compone	ent Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-101	6 (AROCLOR 1016)	12674-11-2	μg/kg.			
2		1 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3		2 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4		2 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5		8 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6		4 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U

2 2,4,5,6-TETRACHLORO-META-XYLENE 877-09-8 36-138 73
of out-of-control 0

11096-82-5

11-53-0

 $\mu g/kg$

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

PCB-1260 (AROCLOR 1260)

DECACHLOROBIPHENYL (DCB)

Surrogates

- J Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)
- E Exceed calibration range

35

Control Limit, %

35-139

B - A positive value was found in the method blank

220

Surro. Rec.%

65

D - Diluted

19/20 px

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID:	04-4304.250 22226	Collection Date: Collected by:	• •
C l- ID-	4304250-12B-127	Lab Sample ID: Sample Matrix	02-2226-22 Soil	Received Date: Moisture %:	03/29/2002 7.7
Sample ID:		Prep. Method:	3550	Instrument ID:	GC: S
Sample Type: Anal. Method:	Field Sample 8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	15:47
Data File Name	: 2226.122	Sample Amount:	30.0 g	Dilution Factor:	5
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg		< 180	- U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	360	< 360	U
- 3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	180	< 180	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	180	< 180	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	180	< 180	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	180	< 180	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	180	1000	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	93	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	92	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

120/20/6V

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-23	Received Date:	03/29/2002
Sample ID:	4304250-12B-128	Sample Matrix	Soil ·	Moisture %:	9.4
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	10:23
Data File Name:	2226.023	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL			•	

#	Component Name	CAS No	Unit	\mathbf{RL}	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	_pg/kg	36	_ < 36	Ū
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$		< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	330	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	66	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	78	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

14/20/cm

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID:	04-4304.250 22226	Collection Date: Collected by:	03/27/2002
Tioject ID.	N 1 Olen at 125 acc	Lab Sample ID:	02-2226-24	Received Date:	03/29/2002
Sample ID:	4304250-12B-129	Sample Matrix	Soil ·	Moisture %:	9.3
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	10:48
Data File Name:	2226.024	Sample Amount:	30.0 g	Dilution Factor:	1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$. 73	< 7 3	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	36	< 3 6	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	95	·
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	64	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	73	
	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

19/20 or

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
		Lab Sample ID:	02-2226-25	Received Date:	03/29/2002
Sample ID:	4304250-12B-130	Sample Matrix	Soil	Moisture %:	7.9
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	11:13
Data File Name:	2226.025	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2 ::	μg/kg	36	< 36	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$. 72	< 72	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	36	< 36	u U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	. 36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	36	50	
Sur	rogates			Control Limit, %	Surro. Rec.%	

Surrogates		Control Limit, %	Surro. Rec.%
1 DECACHLOROBIPHENYL (DCB)	11-53-0	35-139	68
2 2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8	36-138	76
# of out-of-control			0

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blan
- D Diluted

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Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/27/2002
Project ID:	NTCRA at 12B &23	Service ID:	22226	Collected by:	
J		Lab Sample ID:	02-2226-26	Received Date:	03/29/2002
Sample ID:	4304250-12B-131	Sample Matrix	Soil	Moisture %:	10.3
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	11:38
Data File Name:	2226.026	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
-1	PCB-1016 (AROCLOR 1016)	12674-11-2-	μg/kg	37	—————————————————————————————————————	· grace U eq e · c
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	74	< 74	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	37	200	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	72	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	83	
-	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

19/20/00

Applied P & Ch Laboratory Organic Analysis Results for Method 8082

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID:	04-4304.250 22226	Collection Date: Collected by:	03/27/2002
J		Lab Sample ID:	02-2226-27	Received Date:	03/29/2002
Sample ID:	4304250-12B-132	Sample Matrix	Soil	Moisture %:	5.7
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	03/31/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	12:03
Data File Name:	2226.027	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	. Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	- 25	<u> </u>	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	35	220	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	6 6	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	70	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

- E Exceed calibration range
- B A positive value was found in the method blank
- D Diluted

14/20 OV

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID:	04-4304.250 22226	Collection Date: Collected by:	03/27/2002
Floject ID.	NTORN at 12D &20	Lab Sample ID:	02-2226-28	Received Date:	03/29/2002
Sample ID:	4304250-12B-133	Sample Matrix	Soil	Moisture %:	6.4
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/29/02	Anal. Date:	04/01/02
Batch No:	02G1956	Prep. No:	1 of 1	Anal. Time:	08:33
Data File Name	2226.128	Sample Amount:	30.0 g	Dilution Factor:	5
Extract Vol.	1.0 mL				

#	Component Name	nent Name CAS No Unit RL		RL	Result	Qualifier
1	PCB-1016 (AROCLOR-1016)	-12674-11-2-	g/kg -	180	< 180	\mathbf{U}
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	350	<350	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	180	<180	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	180	< 180	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	180	< 180	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	180	<180	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	180	740	
Sur	rogates			Control Limit, %	Surro. Rec.%.	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	80	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

1920 0V

Sample Amount: 30.0 g

Client Name: Project ID:

GEOFON, Inc.

NTCRA at 12B &23

4304250-12B-134

Project No: Service ID:

Lab Sample ID:

Sample Matrix

04-4304.250 22226

02-2226-29

Soil

Collection Date: 03/27/2002

Collected by:

Instrument ID:

Dilution Factor: 10

Received Date: 03/29/2002

Moisture %: 9.7

Sample ID: Sample Type: Anal. Method:

Batch No:

Field Sample

8082

02G1956

Prep. Method: Prep. Date: Prep. No:

3550 03/29/02 1 of 1

Anal Date: Anal. Time:

04/01/02 08:58

GC: S

Data File Name: 2226.129 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	. Qualifier
1	PCB-1016 (AROCLOR-1016)	12674-11-2	μg/kg	-370	<370	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	730	< 730	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	370	< 370	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	370	< 370	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	370	< 370	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	370	< 370	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	370	2300	

Surrogates		Control Limit, %	Surro. Rec.%	
1 DECACHLOROBIPHENYL (DCB)	11-53-0	35-139	97	
2 2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8	36-138	89	
# of out-of-control			0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

19/20/6V

LDC #: 8281C3	VALIDATION COMPLETENESS WORKSHEET	Date: 4-24-02
SDG #: 02-2226	X_EPA Level IIINFESC Level III /_/	Page: / of /
Laboratory: Applied P & Ch	Laboratory	Heviewer: Z. Pan
		2nd Reviewer:
METHOD: GC Polychlorinated	d Biphenyls (EPA SW 846 Method 8082)	/

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
l.	Technical holding times	A	Sampling dates: 3-26-02 & 3-27-02
11.	GC/ECD Instrument Performance Check	7	
111.	Initial calibration	Α	/ RSD
IV.	Continuing calibration	SW	ZD
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Regional quality assurance and quality control	N	,
Xa.	Florisil cartridge check	N	
Xb.	GPC Calibration	N	
XI.	Target compound identification	₩A	
XII.	Compound quantitation and reported CRQLs	*A	
XIII.	Overall assessment of data	A	·
XIV.	Field duplicates	SW	$D_1 = 16, 27$; $D_2 = 22, 28$; $D_3 = 5, 29$
XV.	Field blanks	N	

Note:

A = Acceptable

N = Not provided/applicable

SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples:

1	4304250-12B-106	11	4304250-12B-116	21	4304250-12B-126	31	4304250-12B-126MSD
2	4304250-12B-107	12	4304250-12B-117	22 D	4304250-12B-127	32	02G1957-MB
3	4304250-12B-108	13	4304250-12B-118	23	4304250-12B-128	33	02G1956-MB
4	4304250-12B-109	14	4304250-12B-119	24	4304250-12B-129	34	
5 D3	4304250-12B-110 ★★	15	4304250-12B-120 ***	25	4304250-12B-130 メズ	35	
6	4304250-12B-111	16 P1	4304250-12B-121	26	4304250-12B-131	36	
7	4304250-12B-112	17	4304250-12B-122	27 D	4304250-12B-132	37	
8	4304250-12B-113	18	4304250-12B-123	28 🕽	4304250-12B-133	38	
9	4304250-12B-114	19	4304250-12B-124	29 🕽	4304250-12B-134	39	
10	4304250-12B-115	20	4304250-12B-125	30	4304250-12B-126MS	40	

LDC #: 828 | C3 SDG #: 02 - 2226

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Z. Pa
2nd Reviewer:

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				. manigaj o aminiarita
All technical holding times were met.	V			
Cooler temperature criteria was met.	V.			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?				
III. Inflial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	V		_	
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	V			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?				
Did the initial calibration meet the curve fit acceptance criteria?	7			
Were the RT windows properly established?	V			
Were the required standard concentrations analyzed in the initial calibration?	V			
IV: Continuing calibration				
What type of continuing calibration calculation was performed? <u>√</u> %D or %R				
Were Evaluation mix standards analyzed prior to the initial calibration and sample analysis?			V	
Were endrin and 4,4'-DDT breakdowns \leq 15%.0 for individual breakdown in the Evaluation mix standards?				
Was a continuing calibration analyzed daily?	V			
Were all percent differences (%D) ≤ 15%.0 or percent recovieries 85-115%?		V		
Were all the retention times within the acceptance windows?	/			
V. Blanks				
Was a method blank associated with every sample in this SDG?	/			
Was a method blank analyzed for each matrix and concentration?	/			·
Were extract cleanup blanks analyzed with every batch requiring clean-up?			/	
Was there contamination in the method blanks or clean-up blanks? If yes, please see the Blanks validation completeness worksheet.		✓,		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	/			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			/	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			1	

LDC #: 828 | C3 SDG #: 02 - 2226

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Z. Par
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	1			
Was a MS/MSD analyzed every 20 samples of each matrix?				
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?				
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?				
Was an LCS analyzed per extraction batch?				
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?				
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			/	
Were the performance evaluation (PE) samples within the acceptance limits?				
X: Target compound identification				
Were the retention times of reported detects within the RT windows?	_			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?				
XII. System performance				
System performance was found to be acceptable.	1			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			
XIV, Field duplicates		1		
Field duplicate pairs were identified in this SDG.				
Target compounds were detected in the field duplicates.	/			
XV. Field:blanks				
Field blanks were identified in this SDG.	<u>L</u> _	/		
Target compounds were detected in the field blanks.			/	

LDC #:_	828	1C3
SDG #:_	02-	2226

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page:_	of	
Reviewer:	Z. P	zn
2nd Reviewer:		

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

Please see qualifications below for all questions answered "N" Not applicable questions, are identified as "N/A".

What type or calibration verification calculation was performed?

%D or RPD

Were Evaluation mix standards run before initial calibration and before samples?

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<20.0% for individual breakdowns)?

Was at least one Individual Mix standards A and/or B run daily to verify the working curve?

Were continuing standards analyzed at a frequency of every 10 samples to verify the working curve?

Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <15.0%? A/N(N)Y

Level IV/D Only (Y)N N/A

N (N/A)

N N/A

Υ)N N/A

YN N/A

7Υ) Ν Ν/Α

Were the retention times for all calibrated compounds within their respective acceptance windows?

Were the percent difference (%D) results recalculated? (Please see Calibration verification results verification worksheet.)

Were the (%D) recalculated results within 10.0% of the reported results?

	IVA				T vo (ppp			
#	Date	Standard ID	Column	Compound	%D / RPD (Limit ≤ 15.0)	RT (Limits)	Associated Samples	Qualifications
						()	
	3-31-02	1956 G. XOI	Channel	V-3	15.491	()	No qual
	(8: 44)		A			()	
				BB-5	17.308	()	V
						()	
						()	
		•				()	
						()	
						()	
						()	
						()	
					l)	
		· · · · · · · · · · · · · · · · · · ·				()	
						()	
						()	
						() .	
						()	
						()	
						(-		
						(
						(

A.	alpha-BHC
В.	beta-BHC

C. delta-BHC D. gamma-BHC

E. Heptachlor F. Aldrin

G. Heptachlor epoxide H. Endosulfan I

I. Dieldrin J. 4,4'-DDE K. Endrin

L. Endosulfan II

M. 4,4'-DDD N. Endosullan sulfate O. 4,4'-DDT

P. Methoxychlor

Q. Endrin ketone R. Endrin aldehyde S. alpha-Chlordane

T. gamma-Chlordane

U. Toxaphene V. Arodor-1016 W. Aroclor-1221

X. Arodor-1232

Y. Arodor-1242 Z. Aroclor-1248 AA. Arodor-1254

BB. Arodor-1260

CC. DB 608 DD. DB 1701 EE.

LDC #: 8281 C3 SDG #: 02-2226

VALIDATION FINDINGS WORKSHEET Field Duplicates

Page:_	of
Reviewer:	Z. Pan
2nd reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

(Y/N)	N/A
M N I	N/A

Were field duplicate pairs identified in this SDG?
Were target compounds detected in thie field duplicate pairs

	Concentration		
Compound	# 16	27	RPD
Aroclar 1260	180	220	20
			~ ~
	Concentration	on (49/kg)	
Compound	22	28	RPD

	Concentration	on (U5/Kg)	
Compound	5	29	RPD
<u> </u>	2300	2300	0
· · · · · · · · · · · · · · · · · · ·			

	Concentration ()	
Compound		RPD

LDC #: 8281 C3 SDG #: 02 -2226

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	of	
Reviewer:	킨 .	Pay
2nd Reviewer:		
_	7	

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The calibration factors (CF) and relative standard deviation (%RSD) were calculated for selected compounds using the following calculations:

CF = Concentration/Area %RSD = 100 * (S/X)

Where:

S = Standard deviation of calibration factors

X = Mean of calibration factors

		-		Standard		Recalculated		Reported	
Calibration Date	Column	Compound	Standard	concentration (ppb)	Response (Area)	Calibration Factor (CF)	%RSD	Calibration Factor (CF)	%RSD
3/21/02	DB-608	Aroclor 1260 - 1	Point 1	100	146,044	1,460.44		1460.44	
	(GC-S)	•	Point 2	500	591,121	1,182.24		1182.24	1 ,
	(Channel : A)		Point 3	1000	1,115,487	1,115.49		1115.49	1 1
			Point 4	1500	1,549,578	1,033.05		1033.05	
			Point 5	2500	2,454,118	981.65		981.65] [
			Point 6						1
			Mean calibr	ation factor		1154.574	16.234	1154.574	16.234

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 8281C3 SDG #: 02-2226

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

Page:_	1 of 1	
Reviewer:_	Z. Pan	
2nd Reviewer:_		

METHOD: GC Pesticides/PCBs (EPA S	SW 846 Method 8081)			
The calibration verification percent diffe	erence (%D) values were recalculated for	Aroclor - 1260 - 1		using the following calculation:
Percent difference (%D) = 100 * (N - C)/N	Where: N = Initial Calibration Factor or C = Calibration Factor from Continu		_ Calculated Amount (ng)	

	Calibration					Recalculated	Reported
Standard ID	Date/Time	Column	Compound	N	С	. %D	%D
1956G. X04	4-1-02	ChannelA	1260-1	1000	979.177	2-08	2.08
, ,	(0-16)						
				<u> </u>			
1956G XOS					974.613	2.54	2.54
,	(6:16)			<u> </u>		<u> </u>	
106/6 4 4				 	Gon (c	914	
1956G. XOI	3-31-02	V	Y	- V	908.560	9.14	9.14
	(8:44)						· · · · · · · · · · · · · · · · · · ·
							1

Comments:	Refer to Calibration	Verification findings w	<u>orksheet for list of q</u>	ualifications and	associated samp	les when reported	results do not	agree within 10	.0% of the
recalculated									
		<u> </u>							
				······································					
	· · · · · · · · · · · · · · · · · ·		·				····		

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:	of
Reviewer:	Z. Pan
2nd reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found SS = Surrogate Spiked

Sample ID: # 25

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		(dgg)	(ppb)	Reported	Recalculated	
Tetrachloro-m-xylene	ChannelA	50.0	37.96	76	76	O
Tetrachloro-m-xylene						
Decachlorobiphenyl		V	33.80	68	68	V
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene					•	
Decachiorobiphenyl						
Decachlorobiphenyl						L

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	· · · · · · · · · · · · · · · · · · ·		Percent Difference	
		-		Reported	Recalculated		
Tetrachloro-m-xylene							
Tetrachioro-m-xylene							
Decachlorobiphenyl							
Decachlorobiphenyl							

Sample iD:_____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachioro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:	 	

LDC #: 828[C3 SDG #: 02-2226

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration

SC = Concentration

SA = Spike added

RPD = IMS - MSDI * 2/(MS + MSD)

MS = Matrix splike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples:

		oike	Sample		l Sample	Matri	Spike	Matrix Spi	ke Duplicate	M	S/MSD
Compound	Added Concentration Concentration Compound ($\frac{9}{kq}$) ($\frac{9}{kq}$)		(Kg)	Percent Recovery		Percent Recovery		RPD			
	MS	MSD		MS	J _{MSD}	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
gamma-BHC					·				,	,e	
Heptachlor									2		
Aldrin											
Dieldrin							·				
Endrin							1.				
4,4'-DDT											
Aroclor 1016	176	176	0	144	133	82	82	76	76	8	8
V 1260	V	V	220	394	391	98	99_	96	97	2	
				,							
•											

Comments: Refer ot Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within
10.0% of the recalculated results.

LDC	#:	8281	C3
SDG	#:	112-2	226

%S

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:_	l_ofl
Reviewer:_	Z. Pan
2nd reviewer:_	
_	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

Percent solids, applicable to soil and solid matrices

		results for # 5, 15, 25 and verified using the following equation:	·		reported	with	a positive	detect were
Conce	entratio	$on = (A_{\bullet})(V_{\bullet})(DF)$ $(RF)(V_{\bullet})(V_{\bullet})(%S)$	Example:					
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D.			<u></u> :		
RF	=	Average response factor of the calibration standard.	Conc. = (١.,		٠,		,
V ₀ ~	-	Volume or weight of sample extract in milliliters (ml) or grams (g).	Conc. = () () ()(}
V _i	=	Volume of extract injected in microliters (ul)	_					
V,	=	Volume of the concentrated extract in microliters (ul)	=					
Df	=	Dilution Factor.						

#	only. Sample ID	Compound	Reported Concentration (<i>V5/K</i> 4)	Calculated Concentration (US/Kg)	Acceptable (Y/N)
7	#5	Arochr 1260	2300	2300	Y
	15		130	130	Y
	25		50	50	Y
		For # 25, 1260-1:			
		(326149)			
		(1154.574)			
		$= 282.48 \frac{9}{k_g}$			
		For 1260:			
			0 99 1 791	174 262 40)/5 = 27
		(282.48 + 293.74 + 23	b, 77 T 2/4,	11/ T 203.00	1/3 - 21

Note:	(274.48) (5mL) (1)	
	30.09 (0.921)	
	J	
	,	

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name:

NBVC, Port Hueneme

Collection Date:

March 20, 2002

LDC Report Date:

April 25, 2002

Matrix:

Soil

Parameters:

Polychlorinated Biphenyls

Validation Level:

EPA Level III

Laboratory:

Applied P & Ch Laboratory

Sample Delivery Group (SDG): 02-2280

Sample Identification

4304250-12B-135

4304250-12B-136

4304250-12B-137

4304250-12B-138

Introduction

This data review covers 4 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and Reported CRQLs

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

No field duplicates were identified in this SDG.

XV. Field Blanks

No field blanks were identified in this SDG.

NBVC, Port Hueneme Polychlorinated Biphenyls - Data Qualification Summary - SDG 02-2280

No Sample Data Qualified in this SDG

NBVC, Port Hueneme Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 02-2280

No Sample Data Qualified in this SDG



Client Name: GEOFON, Inc. Project No: 04-4304.250 Collection Date: 04/02/2002 Project ID: NTCRA at 12 &23 Service ID: 22280 Collected by: Lab Sample ID: 02-2280-1 Received Date: 04/03/2002 Sample ID: 4304250-12B-135 Sample Matrix Soil Moisture %: 11.4 Sample Type: Field Sample Prep. Method: 3550 Instrument ID: GC: S Anal. Method: 8082 Prep. Date: 04/03/02 Anal. Date: 04/04/02 Batch No: 02G1997 Prep. No: 1 of 1 Anal. Time: 16:44 Data File Name: 2280.101 Sample Amount: 30.0 g Dilution Factor: 20

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	740	< 740	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	1500	< 1500	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	740	< 740	Ū
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	740	< 740	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}\mathrm{g/kg}$	740	< 740	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	740	< 740	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	740	4400	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	114	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	98	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

JA 20/5

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	04/02/2002
Project ID:	NTCRA at 12 &23	Service ID:	22280	Collected by:	• •
		Lab Sample ID:	02-2280-2	Received Date:	04/03/2002
Sample ID:	4304250-12B-136	Sample Matrix	Soil	Moisture %:	8.8
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	04/03/02	Anal. Date:	04/04/02
Batch No:	02G1997	Prep. No:	1 of 1	Anal. Time:	16:19
Data File Name:	2280.102	Sample Amount:	30.0 g	Dilution Factor:	5
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	180	< 180	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$_{\mu}\mathrm{g/kg}$	360	< 360	Ū
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	180	< 180	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	180	< 180	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	180	< 180	Ū
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	180	< 180	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	180	1300	
Sur	rogates			Control Limit, %	Surro. Rec.%	·
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	91	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	93	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

PA/20/57

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12 &23	Project No: Service ID:	04-4304.250 22280	Collection Date: Collected by:	04/02/2002
Sample ID:	4304250-12B-137	Lab Sample ID: Sample Matrix	02-2280-3 Soil	Received Date: Moisture %:	04/03/2002 10.9
Sample Type: Anal. Method: Batch No:	Field Sample 8082 02G1997	Prep. Method: Prep. Date: Prep. No:	3550 04/03/02 1 of 1		GC: S 04/04/02 15:54
Data File Name: Extract Vol.	2280.103 1.0 mL	Sample Amount:	30.0 g	Dilution Factor:	10

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	370	< 370	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	740	< 740	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	370	< 370	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	370	<370	Ū
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	370	< 370	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	370	< 370	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	370	2900	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	98	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	93	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/20/00

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	04/02/2002
Project ID:	NTCRA at 12 &23	Service ID:	22280	Collected by:	
		Lab Sample ID:	02-2280-4	Received Date:	04/03/2002
Sample ID:	4304250-12B-138	Sample Matrix	Soil	Moisture %:	20.6
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	04/03/02	Anal. Date:	04/04/02
Batch No:	02G1997	Prep. No:	1 of 1	Anal. Time:	15:30
Data File Name:	: 2280.104	Sample Amount:	30.0 g	Dilution Factor:	5
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	210	< 210	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	420	< 420	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	210	< 210	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	210	< 210	Ŭ
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	210	< 210	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	210	< 210	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	210	1500	
Sur	rogates			Control Limit, %	Surro. Rec.%	·
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	74	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	77	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

10/20/00

SDC Lab MET	#:8281E3 #:02-2280 pratory:_Applied P & C THOD: GC Polychlorinate samples listed below we ched validation findings were	h Laboratory d Biphenyls (EP/	PA Level A SW 846	III! - Method 8	NFESC Le	evel III	Date: 4-24-07 Page: 1 of 1 Reviewer: 2 - Pan 2nd Reviewer:
	Validation	Area				Comments	
	Technical holding times		A	Sampling d	lates:	3-20-0	
11.	GC/ECD Instrument Perfor	mance Check	N				~
111.	Initial calibration		A	1/RS	D		
IV.	Continuing calibration		SW	7	D		
v.	Blanks		A				
VI.	Surrogate spikes		A				
VII	. Matrix spike/Matrix spike d	uplicates	A	4	304250-	23-061	
VIII	. Laboratory control samples	6	À	7	CS / 20	23-06 25D	
IX.	Regional quality assurance	and quality control	N				
Xa	Florisil cartridge check		N		· · ·		
Xb	GPC Calibration		N				
XI.	Target compound identifica	ation	N				
XII.	Compound quantitation and	d reported CRQLs	N				
XIII	Overall assessment of data		A				
XIV	. Field duplicates		Λ/				
XV.	Field blanks		1/		· · · · · · · · · · · · · · · · · · ·		
Note: /alida:	A = Acceptable N = Not provided/applicab SW = See worksheet ted Samples:	le R≔Rin	lo compound sate eld blank	ds detected	TB = ?	uplicate Trip blank Equipment blank	
1	4304250-12B-135	11		21		31	
2	4304250-12B-136	12		22		32	
3	4304250-12B-137	13		23	· · · · · · · · · · · · · · · · · · ·	33	
4	4304250-12B-138	14		24		34	
5	02G1997-MB	15		25		35	
6		16		26		36	

LDC #:_	8281	E3
SDG #:	02-	2280

VALIDATION FINDINGS WORKSHEET Continuing Calibration

	Page:_	1	of_	
	Reviewer:	Z	·	an
2nd	Reviewer:			

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

What type or calibration verification calculation was performed? _____%D or ____ RPD

Were Evaluation mix standards run before initial calibration and before samples?

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<20.0% for individual breakdowns)?

Was at least one Individual Mix standards A and/or B run daily to verify the working curve?

Were continuing standards analyzed at a frequency of every 10 samples to verify the working curve?

Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of ≤15.0%?

Level IX/D Only

N(N/A)

N N/A

Y) N_ N/A

Y (N) N/A

Y N N/A

Were the retention times for all calibrated compounds within their respective acceptance windows? Y N N/A

Were the percent difference (%D) results recalculated? (Please see Calibration verification results verification worksheet.)

YN	N/A/	Were the (%D) recalculated results within 10.0% of the reported results?								
#	Date	Standard ID	Column	Compound	%D / RPD (Limit ≤ 15.0)	RT (Limits)	Associated Samples	Qualifications		
<u> </u>						()				
$\vdash_{\mathcal{T}}$	4-4-02	1997G. XOZ	Channel	V-1	15.722	()		No qual		
'	(14:40)	11179: 10=	Ā	BB-5	17.747	()		V 0		
<u> </u>	(11-10)					()				
						()				
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A. alpha-BHC
B. beta-BHC
C. delta-BHC
D. gamma-BHC

E. Heptachlor F. Aldrin

G. Heptachlor epoxide

H. Endosulfan I

I. Dieldrin J. 4,4'-DDE K. Endrin L. Endosulfan II M. 4.4'-DDD N. Endosulfan sulfate O. 4.4'-DDT

P. Methoxychlor

Q. Endrin ketone R. Endrin aldehyde S. alpha-Chlordane

T, gamma-Chlordane

U. Toxaphene V. Arodor-1016 W. Aroclor-1221 X. Aroclor-1232 Y. Arodor-1242 Z. Aroclor-1248 AA. Arodor-1254 BB. Aroclor-1260 CC. DB 608 DD. DB 1701

IRP SITE 23

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name:

NBVC, Port Hueneme

Collection Date:

March 12 through March 20, 2002

LDC Report Date:

April 25, 2002

Matrix:

Soil

Parameters:

Polychlorinated Biphenyls

Validation Level:

EPA Level III & IV

Laboratory:

Applied P & Ch Laboratory

Sample Delivery Group (SDG): 02-2124

Sample Identification

4304250-23-035 4304250-23-055 4304250-23-036 4304250-23-056 4304250-23-057 4304250-23-037 4304250-23-058** 4304250-23-038 4304250-23-039** 4304250-23-059 4304250-23-060 4304250-23-040 4304250-23-035MS 4304250-23-041 4304250-23-042 4304250-23-035MSD 4304250-23-056MS 4304250-23-043 4304250-23-056MSD 4304250-23-044 4304250-23-045 4304250-23-046** 4304250-23-047 4304250-23-048 4304250-23-049 4304250-23-050 4304250-23-051 4304250-23-052 4304250-23-053

4304250-23-054

^{**}Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 30 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

Retention time windows were evaluated and considered technically acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits.

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for several samples. Since the samples were diluted out, no data were qualified.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

Samples 4304250-23-045 and 4304250-23-046** and samples 4304250-23-057 and 4304250-23-058** were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples with the following exceptions:

	Concentra		
Compound	4304250-23-045	4304250-23-046**	RPD
Aroclor-1260	6	17	96

XV. Field Blanks

No field blanks were identified in this SDG.

NBVC, Port Hueneme Polychlorinated Biphenyls - Data Qualification Summary - SDG 02-2124

No Sample Data Qualified in this SDG

NBVC, Port Hueneme Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 02-2124

No Sample Data Qualified in this SDG



Client Name: Project ID:

Sample ID:

Extract Vol.

GEOFON, Inc.

NTCRA at 12B &23

4304250-23-035

Project No: Service ID:

Lab Sample ID:

Sample Matrix

Prep. Method:

Sample Amount: 30.0 g

Prep. Date:

Prep. No:

04-4304.250 022124

02-2124-1

03/22/02

Soil

3550

1 of 1

Collection Date: 03/12/2002

Collected by:

Received Date: 03/22/2002

Moisture %: 3.2

Instrument ID: GC: S Anal. Date: 03/22/02

Anal. Time: 17:41

Dilution Factor: 1

Field Sample Sample Type: 8082 Anal. Method: Batch No: 02G1888 Data File Name: 2124.001

1.0 mL

D. 101 CO.						
#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	34	<34 ====	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	68	< 68	Ü
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$_{\mu}\mathrm{g/kg}$	34	< 34	\mathbf{U}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	34	< 34	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}\mathrm{g/kg}$	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	34	< 34	U
	rogates			Control Limit, %	Surro. Rec.%	-
3u1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	87	
J	2.4 5.6 TETRACHLORO-META-XYLENE	877-09-8		36-138	89	

2,4,5,6-TETRACHLORO-META-XYLENE 0 # of out-of-control

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

04-4304.250 Collection Date: 03/12/2002 Project No: GEOFON, Inc. Client Name: Collected by: 022124 Service ID: NTCRA at 12B &23 Project ID: Received Date: Lab Sample ID: 02-2124-2 03/22/2002 Soil Moisture %: 4.5 Sample Matrix 4304250-23-036 Sample ID: Instrument ID: GC: S Prep. Method: 3550 Field Sample Sample Type: 03/22/02 Anal. Date: 03/22/02 Prep. Date: 8082 Anal. Method: Anal. Time: 18:06 Prep. No: 1 of 1 Batch No: 02G1888 Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2124.002

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	<u></u>	€35.	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	3 5	< 35	\mathbf{u}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U .
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	16	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	91	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	96	
-	of out-of-control				Ó	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

(0/20/6V

Collection Date: 03/12/2002 04-4304.250 GEOFON, Inc. Project No: Client Name: Service ID: 022124 Collected by: NTCRA at 12B &23 Project ID: Lab Sample ID: 02-2124-3 Received Date: 03/22/2002 Moisture %: Sample Matrix Soil 3.1 4304250-23-037 Sample ID: Instrument ID: GC: S 3550 Prep. Method: Sample Type: Field Sample 03/22/02 Anal. Date: 03/22/02 Prep. Date: Anal. Method: 8082 Anal. Time: 18:31 Prep. No: 1 of 1 02G1888 Batch No: Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2124.003

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg_	34	<34	U -
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	68	< 68	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	34	< 34	U
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	87 .	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	89	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-4	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-038	Sample Matrix	Soil	Moisture %:	6.7
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1888 2124.004	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/22/02 18:56 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
<u></u>		12674-11-2	g/kg		<35	υ
1	PCB-1016 (AROCLOR 1010) PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	71	< 71	U
2	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	35	< 35	U
3	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
4 5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	35	< 35	U
5 6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	37	
				Control Limit, %	Surro. Rec.%	
Sui	rogates DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	85	
1	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	90	
2	of out-of-control	J 00 0			0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

1/4/20/5V

Project No: 04-4304.250 Collection Date: 03/12/2002 Client Name: GEOFON, Inc. Service ID: 022124 Collected by: NTCRA at 12B &23 Project ID: Lab Sample ID: 02-2124-5 Received Date: 03/22/2002 Moisture %: 4304250-23-039 Sample Matrix Soil 6.2 Sample ID: Instrument ID: Prep. Method: 3550 GC: S Sample Type: Field Sample Prep. Date: 03/22/02 Anal. Date: 03/22/02 Anal. Method: 8082 Prep. No: 1 of 1 Anal. Time: 19:21 02G1888 Batch No: Dilution Factor: 1 Data File Name: 2124.005 Sample Amount: 30.0 g 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	µg/kg	_35	< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	31	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	84	
·2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	81	
# 0	of out-of-control				. 0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

04-4304.250 Collection Date: 03/12/2002 GEOFON, Inc. Project No: Client Name: Project ID: NTCRA at 12B &23 Service ID: 022124 Collected by: 02-2124-6 Received Date: Lab Sample ID: 03/22/2002 Moisture %: 4304250-23-040 Sample Matrix Soil 11.8 Sample ID: Prep. Method: 3550 Instrument ID: GC: S Sample Type: Field Sample Prep. Date: 03/22/02 Anal. Date: 03/22/02 Anal. Method: 8082 Anal. Time: Prep. No: 1 of 1 21:38 Batch No: 02G1888 Sample Amount: 30.0 g Dilution Factor: 1 Data File Name: 2124.006

						··
#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	37	< 37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	75	< 75	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$. 37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	37	9	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	87	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	85	
# c	f out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-7	Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-041	Sample Matrix	Soil	Moisture %:	4.0
Sample Type: Anal. Method: Batch No: Data File Name	Field Sample 8082 02G1888 : 2124.007	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/22/02 22:03 1

#	Component Name	CAS No	Unit	RL	Result	Qualifie
	PCB-1016 (ABOCLCR 1016)	12674-11-2	μg/kg	34	< 34	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
.5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	34	< 34	${f U}$
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	34	. 5	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	89	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	93	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/20/5V

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-8	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-042	Sample Matrix	Soil	Moisture %:	4.8
Sample Type: Anal. Method: Batch No: Data File Name	Field Sample 8082 02G1888 :: 2124.008	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/22/02 22:28 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR-1016)	12674-11-2	μg/kg	35	< 35	
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	${f U}$
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	3 5	< 35	${f U}$
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	3 5	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	71	
S	rogates			Control Limit, %	Surro. Rec. %	,
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	91	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

/4/20/6V

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/12/2002
Project ID:	NTCRA at 12B &23	Service ID:	022124	Collected by:	
		Lab Sample ID:	02-2124-9	Received Date:	03/22/2002
Sample ID:	4304250-23-043	Sample Matrix	Soil	Moisture %:	5.5
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/22/02	Anal. Date:	03/22/02
Batch No:	02G1888	Prep. No:	1 of 1	Anal. Time:	22:53
Data File Name	: 2124.009	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35 w 2016 k	<35	
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	\cdot U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	\mathbf{U}
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	22	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	75	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	71	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

1/2/20/6V

Collection Date: 03/12/2002 Project No: 04-4304.250 GEOFON, Inc. Client Name: Service ID: 022124 Collected by: NTCRA at 12B &23 Project ID: Lab Sample ID: 02-2124-10 Received Date: 03/22/2002 Moisture %: Sample Matrix Soil 6.0 4304250-23-044 Sample ID: Instrument ID: GC: S 3550 Prep. Method: Sample Type: Field Sample 03/22/02 Anal. Date: 03/22/02 Prep. Date: Anal. Method: 8082 Anal. Time: Prep. No: 1 of 1 23:17 02G1888 Batch No: Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2124.010

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	- 35	≼35	<u>U</u>
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	70	< 70	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	330	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	. 85	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	87	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-11	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-045	Sample Matrix	Soil	Moisture %:	9.6
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1888 2124.011	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	03/22/02 23:42

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg	37	<37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	73	< 73	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	37	6	J
Sur	rogates	<u> </u>	······································	Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	74	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

1720/6V

Collection Date: 03/12/2002 Project No: 04-4304.250 GEOFON, Inc. Client Name: Collected by: Service ID: 022124 Project ID: NTCRA at 12B &23 Received Date: 03/22/2002 Lab Sample ID: 02-2124-12 Sample Matrix Soil Moisture %: 11.1 4304250-23-046 Sample ID: 3550 Instrument ID: GC: S Prep. Method: Field Sample Sample Type: 03/22/02 Anal. Date: 03/23/02 Prep. Date: Anal. Method: 8082 Anal. Time: 00:07 1 of 1 Prep. No: Batch No: 02G1888 Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2124.012

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2	ug/kg	37	< 37	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	74	< 74	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	37	< 37	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	37	< 37	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	37	< 37	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	37	< 37	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	37	17	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	91	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	88	
-	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-13	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-047	Sample Matrix	Soil	Moisture %:	3.2
Sample Type: Anal. Method: Batch No: Data File Name	Field Sample 8082 02G1888 : 2124.013	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 00:32 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	. 34		JI
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	68	< 68	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}\mathrm{g/kg}$	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	34	10	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	82	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	91	
# 4	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-14	Collection Date: Collected by: Received Date:	03/12/2002
Sample ID:	4304250-23-048	Sample Matrix	Soil	Moisture %:	5.1
Sample Type: Anal. Method: Batch No: Data File Name: Extract. Vol.	Field Sample 8082 02G1888	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 00:56 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg		<.35	U
1	PCB-1016 (AROCLOR 1010) PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	70	< 70	U
2	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	3 5	< 35	U
•	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	35	< 35	U
4 5	PCB-1242 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	35	170	
				Control Limit, %	Surro. Rec.%	
our.	rogates DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	87	
ï	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	93	
2	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Project No: 04-4304.250 Collection Date: 03/12/2002 GEOFON, Inc. Client Name: 022124 Collected by: Service ID: NTCRA at 12B &23 Project ID: Received Date: 03/22/2002 Lab Sample ID: 02-2124-15 Moisture %: 6.1 Sample Matrix Soil 4304250-23-049 Sample ID: Instrument ID: GC: S Prep. Method: 3550 Sample Type: Field Sample Anal. Date: 03/25/02 Prep. Date: 03/22/02 Anal. Method: 8082 Anal. Time: 09:56 Prep. No: 1 of 1 02G1888 Batch No: Sample Amount: 30.0 g Dilution Factor: 5 Data File Name: 2124.115

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	"g/kg	180		U ·
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	350	< 350	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	180	< 180	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	180	< 180	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	180	< 180	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	180	< 180	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	180	600	
 S111	rogates		*	Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	147	
2	2,4,5,6-TETRACHLORO-META-XYLEN	E 877-09-8		36-138	99	
_	of out-of-control				1	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

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Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-16	Collection Date: Collected by: Received Date:	03/12/2002
Sample ID:	4304250-23-050	Sample Matrix	Soil	Moisture %:	8.7
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1889	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 06:07 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
 	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg	36	< 36	U
1 2	PCB-1016 (AROCLOR 1221)	11104-28-2	μg/kg	72	< 72	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$_{\mu}$ g/kg	36	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	. U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	36	8	
<u> </u>				Control Limit, %	Surro. Rec.%	
our:	rogates DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	72	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	73	
	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-17	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-051	Sample Matrix	Soil	Moisture %:	20.4
Sample Type: Anal. Method: Batch No: Data File Name	Field Sample 8082 02G1889 : 2124.017	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 06:31 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg	41	< 41	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$. 83	< 83	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	41	< 41	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	41	< 41	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	41	< 41	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	41	< 41	\mathbf{n} .
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	41	13	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	•
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	69	
# 6	of out-of-control	•			0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-18	Collection Date: Collected by: Received Date:	03/12/2002
Sample ID:	4304250-23-052	Sample Matrix	Soil	Moisture %:	4.8
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/22/02	Anal. Date:	03/25/02
Batch No:	02G1889	Prep. No:	1 of 1	Anal. Time:	09:06
Data File Name	2124.118	Sample Amount:	30.0 g	Dilution Factor:	10
Extract Vol.	1.0 mL			_	

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROGLOR 1016)	12674-11-2	μg/kg	350	< 350	- J U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	690	< 690	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	350	< 350	\mathbf{U}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	350	< 350	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	350	< 350	U
_	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	350	< 350	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	350	2700	
Sur	rogates	· · · · · · · · · · · · · · · · · · ·		Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	148	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	120	
_	of out-of-control			·	1.	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/12/2002
Project ID:	NTCRA at 12B &23	Service ID:	022124	Collected by:	
-		Lab Sample ID:	02-2124-19	Received Date:	03/22/2002
Sample ID:	4304250-23-053	Sample Matrix	Soil	Moisture %:	6.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	•
Anal. Method:	8082	Prep. Date:	03/22/02	Anal. Date:	03/25/02
Batch No:	02G1889	Prep. No:	1 of 1	Anal. Time:	09:31
Data File Name	: 2124.119	Sample Amount:	30.0 g	Dilution Factor:	20

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	700	< 700	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	1400	<1400	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	700	< 700	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	700	< 700	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	700	< 700	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	700	< 700	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	700	4300	
Suri	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	198	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	64	
_	f out-of-control				1 -	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-20	Collected by: Received Date:	03/12/2002 03/22/2002
Sample ID:	4304250-23-054	Sample Matrix	Soil	Moisture %:	8.6
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1889 2124.020	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 07:46 1

#	Component Name	CAS No	Unit	RL .	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	36		. U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	72	< 72	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	36	< 36	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	36	< 36	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	3 6 ·	< 36	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	36	< 36	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	36	12	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	94	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	88	
-	out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

1.0 mL

Extract Vol.

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Project No: 04-4304.250 Collection Date: 03/12/2002 Client Name: GEOFON, Inc. Service ID: 022124 Collected by: Project ID: NTCRA at 12B &23 Lab Sample ID: 02-2124-21 Received Date: 03/22/2002 4304250-23-055 Sample Matrix Soil Moisture %: 3.2 Sample ID: Prep. Method: 3550 Instrument ID: GC: S Field Sample Sample Type: Anal. Date: Prep. Date: 03/22/02 03/23/02 Anal. Method: 8082 Anal. Time: Prep. No: 1 of 1 10:02 Batch No: 02G1889 Data File Name: 2124.021 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	_pg/kg -	34	< 34	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	68	< 68	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	34	< 34	\mathbf{u}
.6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	\mathbf{U}
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	34	52	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	90	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

/4/20/0V

Collection Date: 03/12/2002 04-4304.250 Project No: GEOFON, Inc. Client Name: Collected by: Service ID: 022124 NTCRA at 12B &23 Project ID: 02-2124-22 Received Date: 03/22/2002 Lab Sample ID: Moisture %: 2.9 Soil Sample Matrix Sample ID: 4304250-23-056 Instrument ID: GC: S 3550 Prep. Method: Field Sample Sample Type: Anal. Date: 03/23/02 03/22/02 Prep. Date: 8082 Anal. Method: Anal. Time: 10:27 1 of 1 Prep. No: Batch No: 02G1889 Dilution Factor: 1 Sample Amount: 30.0 g Data File Name: 2124.022 Extract Vol 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
	PCB-1016 (AROCLOR 1016)	12674-11-2	g/kg	34	< 34	U
1	PCB-1016 (AROCLOR 1221)	11104-28-2	μg/kg	68	< 68	U
2	PCB-1221 (AROCLOR 1221)	11141-16-5	μg/kg	34	< 34	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	53469-21-9	μg/kg	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	12672-29-6	μg/kg	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	11097-69-1	μg/kg μg/kg	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-09-1	•	34	3	J
7	PCB-1260 (AROCLOR 1260)	11090-02-3	μg/kg			
				Control Limit, %	Surro. Rec.%	
our	rogates DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
1	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	82	
2	• •	0 00 0			0	
# 0	of out-of-control					

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

14/30/07

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID:	04-4304.250 022124 02-2124-23	Collection Date: Collected by: Received Date:	03/12/2002 03/22/2002
C LID	4304250-23-057	Lab Sample ID: Sample Matrix	02-2124-23 Soil	Moisture %:	4.5
Sample ID:		Prep. Method:	3550	Instrument ID:	GC: S
Sample Type: Anal. Method:	Field Sample 8082	Prep. Date:	03/22/02	Anal. Date:	03/23/02
Batch No:	02G1889	Prep. No:	1 of 1	Anal. Time:	10:52
Data File Name:	2124.023	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg _		< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	35	< 35	· U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	3 5	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	3 5	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	< 35	U
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	80	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	82	
_	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/12/2002
Project ID:	NTCRA at 12B &23	Service ID:	022124	Collected by:	
2 2 2 3 2 2 2 2 2 2	•	Lab Sample ID:	02-2124-24	Received Date:	03/22/2002
Sample ID:	4304250-23-058	Sample Matrix	Soil	Moisture %:	5.0
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/22/02	Anal. Date:	03/23/02
Batch No:	02G1889	Prep. No:	1 of 1	Anal. Time:	11:17
Data File Name:	2124.024	Sample Amount:	30.0 g	Dilution Factor:	. 1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1:-	PGB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35	< 35	U .
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	35	< 35	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	3 5	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	35	< 35	U
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	82	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	88	
# 6	f out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

94/2/0/0

Client Name:	GEOFON, Inc.	Project No:	04-4304.250	Collection Date:	03/20/2002
Project ID:	NTCRA at 12B &23	Service ID:	022124	Collected by:	
		Lab Sample ID:	02-2124-25	Received Date:	03/22/2002
Sample ID:	4304250-23-059	Sample Matrix	Soil	Moisture %:	3.9
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	03/22/02	Anal. Date:	03/23/02
Batch No:	02G1889	Prep. No:	1 of 1	Anal. Time:	11:42
Data File Name	2124.025	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	34		<u></u>
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	\mathbf{U}
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	34	< 34	U .
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	34	4	J
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	89	•
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	98	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC) E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

9470/00

Client Name: Project ID:	GEOFON, Inc. NTCRA at 12B &23	Project No: Service ID: Lab Sample ID:	04-4304.250 022124 02-2124-26	Collection Date: Collected by: Received Date:	03/20/2002
Sample ID:	4304250-23-060	Sample Matrix	Soil	Moisture %:	12.1
Sample Type: Anal. Method: Batch No: Data File Name:	Field Sample 8082 02G1889 2124.026	Prep. Method: Prep. Date: Prep. No: Sample Amount:	3550 03/22/02 1 of 1 30.0 g	Instrument ID: Anal. Date: Anal. Time: Dilution Factor:	GC: S 03/23/02 12:07 1

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	µg/kg·	38	<u> < 38</u>	u. U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	75	< 75	\mathbf{U}
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	38	< 38	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$_{\mu}\mathrm{g/kg}$	38	< 38	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	38	< 38	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$_{\mu}\mathrm{g/kg}$	38	< 38	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$\mu g/kg$	38	170	
 Siir	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	83	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	90	
	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

LDC #: 8281B3	VALIDATION COMPLETENESS WORKSHEET	Date: 4-24-02
SDG #: 02-2124	X_EPA Level IIINFESC Level III /I/	Page: 1 of [
Laboratory: Applied P & C		Page: 1 of 1 Reviewer: Z - Pam
		2nd Reviewer:
METHOD: GC Polychlorinate	ed Biphenyls (FPA SW 846 Method 8082)	. 1

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area			Commen	ts	
1.	Technical holding times	Α	Sampling dates:	3-12-02	&	3-20-02
II.	GC/ECD Instrument Performance Check	N				
111.	Initial calibration	A	1 RSD			
IV.	Continuing calibration	SW	/D			
V.	Blanks	A				
VI.	Surrogate spikes	SW)				
VII.	Matrix spike/Matrix spike duplicates	Α				
VIII.	Laboratory control samples	A	LCS/LC	SD		
IX.	Regional quality assurance and quality control	N				
Xa.	Florisil cartridge check	N				
Xb.	GPC Calibration	N				ND
XI.	Target compound identification	₩A				
XII.	Compound quantitation and reported CRQLs	NA				
XIII.	Overall assessment of data	A				
XIV.	Field duplicates	SW	$D_i = 11$	12 ;	D ₂ =	: 23 24
XV.	Field blanks	\mathcal{N}				

Note: A =

A = Acceptable

N = Not provided/applicable

SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples:

AU Soil

$\overline{}$							
1	4304250-23-035	11 D,	4304250-23-045	21	4304250-23-055	31	02G1888-MB
2	4304250-23-036	12 D,	4304250-23-046 * ズ	22	4304250-23-056	32	02G 1889 - MB
3	4304250-23-037	13	4304250-23-047	23 Dz	4304250-23-057	33	
4	4304250-23-038	14	4304250-23-048	24 02	4304250-23-058 **	34	
5	4304250-23-039	15	4304250-23-049	25	4304250-23-059	35	
6	4304250-23-040	16	4304250-23-050	26	4304250-23-060	36	
7	4304250-23-041	17	4304250-23-051	27	4304250-23-035MS	37	
8	4304250-23-042	18	4304250-23-052	28	4304250-23-035MSD	38	
9	4304250-23-043	19	4304250-23-053	29	4304250-23-056MS	39	
10	4304250-23-044	20_	4304250-23-054	30	4304250-23-056MSD	40	

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Z. Pa
2nd Reviewer:

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				3,
All technical holding times were met.	V			
Cooler temperature criteria was met.	1			
II. GC/ECD Instrument performence check				
Was the instrument performance found to be acceptable?	•		1	
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	1			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) \leq 20%?	/			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		/		
Did the initial calibration meet the curve fit acceptance criteria?	V			
Were the RT windows properly established?	/			
Were the required standard concentrations analyzed in the initial calibration?	/			
IV. Continuing calibration				
What type of continuing calibration calculation was performed?%D or%R				·
Were Evaluation mix standards analyzed prior to the initial calibration and sample analysis?			/	
Were endrin and 4,4'-DDT breakdowns \leq 15%.0 for individual breakdown in the Evaluation mix standards?			/	
Was a continuing calibration analyzed daily?	/			
Were all percent differences (%D) ≤ 15%.0 or percent recovieries 85-115%?		/		
Were all the retention times within the acceptance windows?				.,
V. Blanks				
Was a method blank associated with every sample in this SDG?	/			
Was a method blank analyzed for each matrix and concentration?	/			
Were extract cleanup blanks analyzed with every batch requiring clean-up?			/	
Was there contamination in the method blanks or clean-up blanks? If yes, please see the Blanks validation completeness worksheet.		/		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	3/4	V		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?		/		
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			1	

LDC #: 8281 B3 SDG #: 02-214

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Z. Par
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
VII. Metrix spike/Metrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	ゝ			
Was a MS/MSD analyzed every 20 samples of each matrix?				
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	/			,
VIII, Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?	'			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			/	
Were the performance evaluation (PE) samples within the acceptance limits?			/	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	~			
XII: System performance				
System performance was found to be acceptable.	V			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	V			
XIV: Field duplicates				
Field duplicate pairs were identified in this SDG.	/			
Target compounds were detected in the field duplicates.	/			
XV. Field blanks				
Field blanks were identified in this SDG.		~		
Target compounds were detected in the field blanks.			/	

LDC #: 828183 SDG #: 02-21#24

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1
Reviewer: Z. Pan
2nd Reviewer:

METHOD: Pesticide/PCBs (EPASW 846 Method 8081)

A. alpha-BHC	i. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG.
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	нн.
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	tt.
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ.
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. DB 608	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. DB 1701	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE.	MM.
H. Endosulfan i	P. Methoxychlor	X. Aroclor-1232	FF.	NN.

Notes:	

LDC #:	82311	B3
SDG #:	02-2	<u> 124</u>

VALIDATION FINDINGS WORKSHEET Continuing Calibration

	Page:	1	_of_	1
	Reviewer:	Z		Pan
2nd	Reviewer:			

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

What type or calibration verification calculation was performed? ______ %D or ____ RPD Were Evaluation mix standards run before initial calibration and before samples?

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (≤20.0% for individual breakdowns)?

Was at least one Individual Mix standards A and/or B run daily to verify the working curve?

Were continuing standards analyzed at a frequency of every 10 samples to verify the working curve?

Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of ≤15.0%?

Level IV/D Only

N (N/A)

A/N N(Y

X)N N/A

Y(N)N/A

Were the retention times for all calibrated compounds within their respective acceptance windows?

Were the percent difference (%D) results recalculated? (Please see Calibration verification results verification worksheet.)

Were the (%D) recalculated results within 10.0% of the reported results?

7)14	Were the (%D) recalculated results within 10.0% of the reported results?							
#	Date	Standard ID	Column	Compound	%D / RPD (Limit ≤ 15.0)	RT (Limits)	Associated Samples	Qualifications
						. (
7	3-22-02	1888 G. XOL	Channel	V-3	15. 285	()		No qual
	(15:22)	4	A			()		[0
	119-7	9	1			()	<u> </u>	
		Z.				()		
		*				()		
2	3-23-02	18886-X14	V	1/-2	17.183	()		
	(9:37)	7550012777	V	V-2 V-3	15.273	()		V
						(
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
				-		()		

A. alpha-BHC	
B. beta-BHC	
C. delta-BHC	
D. gamrna-BHC	

E. Heptachlor F. Aldrin G. Heptachlor epoxide H. Endosulfan I I. Dieldrin J. 4,4'-DDE K. Endrin I. Endosulfan II M. 4,4'-DDD N. Endosulfan sulfate O. 4,4'-DDT

P. Methoxychlor

Q. Endrin ketone R. Endrin aldehyde S. alpha-Chlordane

T. gamma-Chlordane

U. Toxaphene V. Arodor-1016 W. Arodor-1221 X. Arodor-1232 Y. Arodor-1242 Z. Arodor-1248 AA. Arodor-1254 BB. Arodor-1260 CC. DB 608 DD. DB 1701 EE.____ GG,______ HH._____ II._____ JJ.

VALIDATION FINDINGS WORKSHEET Surrogate Spikes

Reviewer: Z 2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Were surrogates spiked into all samples, standards and blanks? YN N/A Y(N)N/A

Did all surrogate percent recoveries (%R) meet the QC limits stated below?

#	Date	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
-	3-22-02	# 15	ChannelA	В	()	
		(Pi(5×)	Charles (147 (35 – 139)	The No qual
2		18			()	
		(Di(/o X)			[48 ()	<i>h</i>
3	-	19			198 ()	
		(Di(20x)	V	<u> </u>	1 198 (V)	V V
					()	
					()	
					()	
					()	
					()	
					()	
					()	
<u> </u>					()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
Α	Tetrachloro-m-xylen	36 - 138		
8	Decachlorobiphenyl	35-139		
			<u> </u>	

LDC #:<u>828|B3</u> SDG #:<u>02-2|2</u>4

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page:_	of
Reviewer:_	Z. Par
nd reviewer:	_~

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

\bigcirc N	N/A
Y)N	N/A

Were field duplicate pairs identified in this SDG?
Were target compounds detected in thie field duplicate pairs?

	Concentratio		
Compound	# 11	12	RPD
Aroclor-1260	6	17	96
			<u> </u>
	Concentratio	n (T T
Compound	Concentiatio		RPD
•			l Arb
	Concentration	n ()	
Compound			RPD
· · · · · · · · · · · · · · · · · · ·			
		1	
	Concentration	n ()	
Compound			RPD
		1	

LDC #: 8281 B3 SDG #: 02-2 24

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 2 - Ram
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The calibration factors (CF) and relative standard deviation (%RSD) were calculated for selected compounds using the following calculations:

CF = Concentration/Area %RSD = 100 * (S/X)

Where:

S = Standard deviation of calibration factors

X = Mean of calibration factors

				Standard		Recalculated		Reported	
Calibration				concentration	Response				
Date	Column	Compound	Standard	(ppb)	(Area)	Calibration Factor (CF)	%RSD	Calibration Factor (CF)	%RSD
3/21/02	DB-608	Aroclor 1260 - 1	Point 1	100	146,044	1,460.44		1460.44	
	(GC-S)		Point 2	500	591,121	1,182.24]	1182.24	
	(Channel : A)		Point 3	1000	1,115,487	1,115.49		1115.49]
			Point 4	1500	1,549,578	1,033.05]	1033.05]
			Point 5	2500	2,454,118	981.65] [981.65] [
			Point 6						
			Mean calib	ration factor		1154.574	16.234	1154.574	16.234

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 828/B3 SDG #: 02-2/24

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: Z Pan
2nd Reviewer: _____

METHOD: GC Pesticides/PCBs (EPA S)	W 846 M	ethod 8081)			•
The calibration verification percent different	rence (%	D) values were recalculated for	Aroclor - 1260 - 1		using the following calculation:
Percent difference (%D) = 100 * (N - C)/N	Where: 1	N = Initial Calibration Factor or C = Calibration Factor from Continu	Nominal Amount (ng) Jing Calibration Standard or	Calculated Amount (ng)	

						Recalculated	Reported
Standard ID	Calibration Date/Time	Column	Compound	N	С	%D	%D
1888 G. Xol	3-22-02	ChannelA	1260-1	1000	878.414	12-16	12.16
1000 4.7.	(15:12)						
1839 G. Xo2	3-22-02				900.701	9.93	9.93
	(19:46)						
:	(11						
				1 1,			
1838G. X13	3-23-02	<u> </u>	<u>√</u>	V	931, 403	6.86	6.86
· ·	(13=09)						

Comments:_Re	efer to Calibration	Verification findings	worksheet for lis	t of qualifications and	associated sample	s when reported	<u>l results do not ac</u>	ree within 10.0% of the
recalculated re	sults.		_				. 	

LDC #: 828183 SDG #: 02-2124

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:_	of
Reviewer:	7. Pan
2nd reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

Sample ID:

SS = Surrogate Spiked

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		(ppb)	(طوم)	Reported	Recalculated	
Tetrachloro-m-xylene	ChannelA	40.72	50.0	81	81	. 0
Tetrachloro-m-xylene						
Decachlorobiphenyl	V	41.82	V	84	84	V
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		i mga in		Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl					·	
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		-		Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						-

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	-
Tetrachloro-m-xylene						
Tetrachioro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes		 		 			
		 		 	_ 		
		 		 		· · · · · · · · · · · · · · · · · · ·	

LDC #: 828 | B3 SDG #: 02-2 | 24

VALIDATION FINDINGS WORKSHELI Matrix Spike/Matrix Spike Duplicates Results Verification

	, ~g <u></u>		
	Reviewer:	2	·Pan
2nd	Reviewer:_		

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and mat	trix spike duplicate were recalculated for the compounds identified
The percent recoveries (%R) and Relative Percent difference (NFD) of the matrix opinio	
below using the following calculation:	

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

RPD = I MS - MSD I * 2/(MS + MSD)

MS = Matrix splike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples:__

		pike	Sample	Spiked	l Sample	Matrix	Spike	Matrix Spik	e Duplicate	MS	/MSD
Compound	Ad	ided VKg)	Concentration (U9/Kq)	Concentration Concentration		Percent Recovery		Percent Recovery		RPD	
Compound	MS 7	MSD	- - 7] - 	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
gamma-BHC											
Heptachlor											
Aldrin											
Dieldrin											
Endrin											
4,4'-DDT									77		0
Arodor 1016	173	173	O	133	133	77	77	77	77	0	
1260	\overline{V}	V	V	130	129	75	75	75	7.5	0	0
					,			<u></u>			

The state of the state of qualifications and associated samples when reported results do not agree w	<u>ithin</u>
Comments: Refer ot Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree w	
10.0% of the recalculated results.	

LDC #: 828| B3 SDG #: 02-2|24

%S

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:_	<u> of </u>
Reviewer:	Z.Par
2nd reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

Percent solids, applicable to soil and solid matrices

		results for #5, 12, 24 and verified using the following equation:	· · · · · · · · · · · · · · · · · · ·	rep	orted with a	a positive o	detect we
Conc	entratio	$on = \frac{(A_{\bullet})(V_{\bullet})(DF)}{(RF)(V_{\bullet})(V_{\bullet})(V_{\bullet})}$	Example:				
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D.				
RF	=	Average response factor of the calibration standard.	C /	\.` <i>\</i>	.,		
V.	. =	Volume or weight of sample extract in milliliters (ml) or grams (g).	Conc. = (() () ()(}
V_{i}	=	Volume of extract injected in microliters (ul)					
V, .	=	Volume of the concentrated extract in microliters (ul)	=				
Df	=	Dilution Factor.					

	only.			<u> </u>	
#	Sample ID	Compound	Reported Concentration (19/Kg)	Calculated Concentration (U9/Kq)	Acceptable (Y/N)
1	#5	Aroclor - 1260	31	31	Υ
	<u> </u>				
·	12	V	17	17	Y
	· · · · · · · · · · · · · · · · · · ·				
		For #5. 1260-1:			
		(34 = 220)			
		$\frac{(245228)}{(1154.57)} = 212$.40		
 		(1137.37)			
-		(212.40 + 203.71 + 13	t9 14 + 176	¢2 + 124 6	(2)/6 = 175.01
			7,77 7 775.	32 1 12 1. 02	1/3
		(175.08) (5mL)(1
		(309)(0.938)			
		J			
		=3 09			
		V/Kq			
<u></u>		J			

Note:		 		 	
	 	 		 	

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name:

NBVC, Port Hueneme

Collection Date:

April 2, 2002

LDC Report Date:

April 25, 2002

Matrix:

Soil

Parameters:

Polychlorinated Biphenyls

Validation Level:

EPA Level III & IV

Laboratory:

Applied P & Ch Laboratory

Sample Delivery Group (SDG): 02-2278

Sample Identification

4304250-23-061

4304250-23-062

4304250-23-063

4304250-23-064**

4304250-23-061MS

4304250-23-061MSD

^{**}Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 6 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

Retention time windows were evaluated and considered technically acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits.

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

No field duplicates were identified in this SDG.

XV. Field Blanks

No field blanks were identified in this SDG.

NBVC, Port Hueneme Polychlorinated Biphenyls - Data Qualification Summary - SDG 02-2278

No Sample Data Qualified in this SDG

NBVC, Port Hueneme Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG 02-2278

No Sample Data Qualified in this SDG

Applied P & Ch Laboratory

Organic Analysis Results for Method 8082

Client Name: Project ID:

GEOFON, Inc.

Project No:

Collection Date: 04/02/2002

Collected by:

NTCRA @12B &23

Service ID: 22278 Lab Sample ID: 02-2278-1 Sample Matrix Soil

Received Date:

04/03/2002

Sample ID: Sample Type: 4304250-23-061 Field Sample

Prep. Method: 3550 Prep. Date: 04/03/02 Moisture %: Instrument ID: Anal. Date:

GC: S 04/04/02

Anal. Method: Batch No:

8082 02G1997 Data File Name: 2278.001

Prep. No: Sample Amount: 30.0 g

1 of 1

Anal. Time: 10:27 Dilution Factor: 1

Extract Vol.

1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	34	< 34	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	$\mu g/kg$	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$. 34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	34	9	J
Sur	rogates	11.1.1.1		Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	72	
2	2.4.5.6-TETRACHLORO-META-XVI.ENE	877_09_8		36_138	76	

	•		,	
1	DECACHLOROBIPHENYL (DCB)	11-53-0	35-139	72
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8	36-138	76
# 0	of out-of-control	,		0
	<u> </u>			

Not Detected is shown as PQL; with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Applied P & Ch Laboratory Organic Analysis Results for Method 8082

Client Name:	GEOFON, Inc.	Project No:		Collection Date:	04/02/2002
Project ID:	NTCRA @12B &23	Service ID:	22278	Collected by:	
		Lab Sample ID:	02-2278-2	Received Date:	04/03/2002
Sample ID:	4304250-23-062	Sample Matrix	Soil	Moisture %:	5.0
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	04/03/02	Anal. Date:	04/04/02
Batch No:	02G1997	Prep. No:	1 of 1	Anal. Time:	10:52
Data File Name:	2278.002	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL			•	•
	Project ID: Sample ID: Sample Type: Anal. Method: Batch No: Data File Name:	Project ID: NTCRA @12B &23 Sample ID: 4304250-23-062 Sample Type: Field Sample Anal. Method: 8082 Batch No: 02G1997 Data File Name: 2278.002	Project ID: NTCRA @12B &23 Service ID: Lab Sample ID: Lab Sample ID: Sample ID: \$4304250-23-062 Sample Matrix Sample Type: Field Sample Prep. Method: Anal. Method: 8082 Prep. Date: Batch No: 02G1997 Prep. No: Data File Name: 2278.002 Sample Amount:	Project ID: NTCRA @12B &23 Service ID: 22278 Lab Sample ID: 02-2278-2 Sample ID: 4304250-23-062 Sample Matrix Soil Sample Type: Field Sample Prep. Method: 3550 Anal. Method: 8082 Prep. Date: 04/03/02 Batch No: 02G1997 Prep. No: 1 of 1 Data File Name: 2278.002 Sample Amount: 30.0 g	Project ID: NTCRA @12B &23 Service ID: 22278 Collected by: Lab Sample ID: 02-2278-2 Received Date: Sample ID: 4304250-23-062 Sample Type: Field Sample Prep. Method: 3550 Instrument ID: Anal. Method: 8082 Prep. Date: 04/03/02 Anal. Date: Batch No: 02G1997 Prep. No: 1 of 1 Anal. Time: Data File Name: 2278.002 Service ID: 22278 Collected by: Collected by: Lab Sample ID: 02-2278-2 Received Date: % Prep. Method: 3550 Instrument ID: Anal. Date: 04/03/02 Anal. Date: O2G1997 O2

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	35	< 35	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	$\mu g/kg$	35	< 35	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	35	< 35	U .
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	35	< 35	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	35	< 35	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	$_{\mu}\mathrm{g/kg}$	35	130	
Sur	rogates			Control Limit, %	Surro. Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	7 5	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	86	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Jan C

Applied P & Ch Laboratory Organic Analysis Results for Method 8082

Client Name: GEOFON, Inc. Project No: Collection Date: 04/02/2002 Project ID: NTCRA @12B &23 Service ID: 22278 Collected by: Lab Sample ID: 02-2278-3 Received Date: 04/03/2002 Sample ID: 4304250-23-063 Sample Matrix Soil Moisture %: 4.3 Sample Type: Field Sample Prep. Method: 3550 Instrument ID: GC: S Anal. Method: 8082 Prep. Date: 04/03/02 Anal. Date: 04/04/02 Batch No: 02G1997 Prep. No: 1 of 1 Anal. Time: 11:17 Data File Name: 2278.003 Sample Amount: 30.0 g Dilution Factor: 1 Extract Vol. 1.0 mL

#	Component Name	CAS No	Unit	RL	Result	Qualifie
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	34	< 34	U
2	PCB-1221 (AROCLOR 1221)	11104-28-2	μg/kg	69	< 69	IJ
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	34	< 34	Ū
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	34	<34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	μg/kg	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	μg/kg	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	34	86	
Sur	rogates			Control Limit, %	Surro, Rec.%	
1	DECACHLOROBIPHENYL (DCB)	11-53-0		35-139	86	
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8		36-138	91	
# 0	of out-of-control				0	

Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

W/20/C

Applied P & Ch Laboratory Organic Analysis Results for Method 8082

Client Name:	GEOFON, Inc.	Project No:		Collection Date:	04/02/2002
Project ID:	NTCRA @12B &23	Service ID:	22278	Collected by:	
		Lab Sample ID:	02-2278-4	Received Date:	04/03/2002
Sample ID:	4304250-23-064	Sample Matrix	Soil	Moisture %:	4.1
Sample Type:	Field Sample	Prep. Method:	3550	Instrument ID:	GC: S
Anal. Method:	8082	Prep. Date:	04/03/02	Anal. Date:	04/04/02
Batch No:	02G1997	Prep. No:	1 of 1	Anal. Time:	11:41
Data File Name	2278.004	Sample Amount:	30.0 g	Dilution Factor:	1
Extract Vol.	1.0 mL				

#	Component Name	CAS No	Unit	RL	Result	Qualifier
1	PCB-1016 (AROCLOR 1016)	12674-11-2	μg/kg	34	< 34	Ŭ
2	PCB-1221 (AROCLOR 1221)	11104-28-2	$\mu g/kg$	69	< 69	U
3	PCB-1232 (AROCLOR 1232)	11141-16-5	μg/kg	34	< 34	U
4	PCB-1242 (AROCLOR 1242)	53469-21-9	μg/kg	34	< 34	U
5	PCB-1248 (AROCLOR 1248)	12672-29-6	$\mu g/kg$	34	< 34	U
6	PCB-1254 (AROCLOR 1254)	11097-69-1	$\mu g/kg$	34	< 34	U
7	PCB-1260 (AROCLOR 1260)	11096-82-5	μg/kg	34	17	J

Sur	rogates		Control Limit, %	Surro. Rec.%
1	DECACHLOROBIPHENYL (DCB)	11-53-0	35-139	83
2	2,4,5,6-TETRACHLORO-META-XYLENE	877-09-8	36-138	91
# 0	of out-of-control			0



Not Detected is shown as PQL, with dilution and moisture corrected if applicable.

Qualifier: U - Not Detected or less than MDL

J - Less than RL (PQL, EQL or CRDL), but greater than MDL, or an estimated result (e.g. for TIC)

E - Exceed calibration range

B - A positive value was found in the method blank

D - Diluted

Maple .

Labor	#: <u>8281D3</u> #: <u>02-2278</u> atory: <u>Applied P & Ch</u>	X_E Laboratory	PA Level	<u></u> -	NFESC	ORKSHEET Level III /エ\		Date: 4-24-02 Page: 1 of 1 Reviewer: 2- Pan 2nd Reviewer:
The s	•	ere reviewed fo			•	lation areas. V	alidatio	! n findings are noted in
	Validation	Area				Comm	ents	
ı.	Technical holding times	<u></u>	A	Sampling of	dates:	4-2		
II.	GC/ECD Instrument Perform	nance Check	N					
111.	Initial calibration		A	1/1	RSD			
IV.	Continuing calibration		SW	1	D			
V.	Blanks		A					
VI.	Surrogate spikes		A					
VII.	Matrix spike/Matrix spike du	ıplicates	IA					
VIII.	Laboratory control samples		A	LC.	5/LC	5D		
IX.	Regional quality assurance	and quality contro	l N		/			
Xa.	Florisil cartridge check		N					
Xb.	GPC Calibration		N					
XI.	Target compound identifica	tion	Aн					
XII.	Compound quantitation and	d reported CRQLs	Ax					
XIII.	Overall assessment of data		A					
XIV.	Field duplicates		1//	-				
XV.	Field blanks		1/1/					
Note:	A = Acceptable N = Not provided/applicab SW = See worksheet ed Samples:	le R = F	No compoun Rinsate Field blank	ds detected	TB	= Duplicate = Trip blank = Equipment blan	sk	
1	4304250-23-061	11	· · · · · · · · · · · · · · · · · · ·	21	1		31	
2	4304250-23-062	12		22			32	
3	4304250-23-063	13		23			33	
4	4304250-23-064 火 戈	14	· · · ·	24			34	
5	4304250-23-061MS	15		25			35	
6	4304250-23-061MSD	16		26		 	36	
7	02G1997-MB	17	. •	27		 	37	
8		18		28			38	

* (evel IV validation

LDC #: 8281 D3 SDG #: 02-2278

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Z.P.
2nd Reviewer:

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	T	T	Ť	I and the second second
. Technical holding times	Yes	No	NA	Findings/Comments
All technical holding times were met.	T 7	l	T	I .
Cooler temperature criteria was met.	1		-	
II. GC/ECD instrument performance check Was the instrument performance found to be acceptable?	Π			ł – · · · · · · · · · · · · · · · · · ·
Was the instrument performance found to be acceptable?	<u> </u>		<u>'</u>	
Did the laboratory perform a 5 point calibration prior to sample analysis?	<i> </i>		l	I
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	~			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		,		
Did the initial calibration meet the curve fit acceptance criteria?	~			
Were the RT windows properly established?	1			
Were the required standard concentrations analyzed in the initial calibration?	1			
IV: Continuing calibration				
What type of continuing calibration calculation was performed?%D or%R				
Were Evaluation mix standards analyzed prior to the initial calibration and sample analysis?			/	
Were endrin and 4,4'-DDT breakdowns ≤ 15%,0 for individual breakdown in the Evaluation mix standards?				
Was a continuing calibration analyzed daily?	/			
Were all percent differences (%D) ≤ 15%.0 or percent recovieries 85-115%?	7/			
Were all the retention times within the acceptance windows?				
V. Blanks				
Was a method blank associated with every sample in this SDG?	~			
Was a method blank analyzed for each matrix and concentration?	1			:
Were extract cleanup blanks analyzed with every batch requiring clean-up?				
Was there contamination in the method blanks or clean-up blanks? If yes, please see the Blanks validation completeness worksheet.		/		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?				
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			/	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?				

LDC #: 8281 D3 SDG #: 02 - 22 78

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Z. Par
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
VII. Matrix spike/Matrix spike duplicates				1 3,750
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.				
Was a MS/MSD analyzed every 20 samples of each matrix?	7			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	/			
VIII, Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
IX, Regional Quality Assurance and Guality Control				
Were performance evaluation (PE) samples performed?			/	
Were the performance evaluation (PE) samples within the acceptance limits?			/	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XI. Compound guartitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	/			
XII. System performance				
System performance was found to be acceptable.	/			
XIII. Overall assessment of data				•
Overall assessment of data was found to be acceptable.				
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.		/		
Target compounds were detected in the field duplicates.			/	
XV. Field: blanks				
Field blanks were identified in this SDG.				
Target compounds were detected in the field blanks.			7	

LDC #: 8281 D3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Continuing Calibration

	Page:		
	Reviewer:	ヹ・	Par
nd	Reviewer:		
		,	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

What type or calibration verification calculation was performed? \(\sqrt{\gamma}\)\%D or

Were Evaluation mix standards run before initial calibration and before samples?

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (≤15.0% for individual breakdowns)?

Was at least one Individual Mix standards A and/or B run daily to verify the working curve? N N/A Y NL N/A

Were continuing standards analyzed at a frequency of every 10 samples to verify the working curve? Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of ≤15.0%? Y(N)N/A

Level IV/D Only

N (N/A)

Y)N N/A Were the retention times for all calibrated compounds within their respective acceptance windows? 'N N/A

Were the percent difference (%D) results recalculated? (Please see Calibration verification results verification worksheet.)

Were the (%D) recalculated results within 10.0% of the reported results?

· · · · · · · · · · · · · · · · · · ·	Column	Compound	%D / RPD (Limit ≤ 15.0)	RT (Limits	s)	Associated Samples	Qualifications
				()		
1997G.X02	Channel		15.722	()		No qual
/	A	BB-5		()		1,6000
<u> </u>				(7		
<u> </u>				()		
				()		
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				()		- <u> </u>
				()		
	E. Heptachlor	E. Heptachlor I. Dieldrin	E. Heptachlor I. Dieldrin M. 4,4*	E. Heptachlor I. Dieldrin M. 4,4'-DDD	A BB - 5 17.74-7 (((((((((A BB-5 17.74-7 ()	A BB - 5 17.74 7 ()

S. alpha-Chlordane

T. gamma-Chlordane

W. Arodor-1221

X. Arodor-1232

AA, Arodor-1254

BB. Arodor-1260

H. Endosulfan I

K. Endrin

L. Endosulfan II

O. 4,4'-DDT

P. Methoxychlor

D. gamma-BHC

LDC #: 828/D3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	of	
Reviewer:	군.	Pan
2nd Reviewer:		-
``		

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The calibration factors (CF) and relative standard deviation (%RSD) were calculated for selected compounds using the following calculations:

CF = Concentration/Area %RSD = 100 * (S/X)

Where:

S = Standard deviation of calibration factors

X = Mean of calibration factors

				Standard		Recalculated		Reported	
Calibration Date	Column	Compound	Standard	concentration (ppb)	Response (Area)	Calibration Factor (CF)	%RSD	Calibration Factor (CF)	%RSE
3/21/02	DB-608	Aroclor 1260 - 1	Point 1	100	146,044	1,460.44		1460.44	
	(GC-S)		Point 2	500	591,121	1,182.24		1182.24	
	(Channel : A)		Point 3	1000	1,115,487	1,115.49		1115.49	1
			Point 4	1500	1,549,578	1,033.05		1033.05	1
			Point 5	2500	2,454,118	981.65		981.65	
			Point 6						
			Mean calibr	ation factor		1154.574	16.234	1154.574	16.234

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 828 | D3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

Page:_	
Reviewer:_	Z. Pan
2nd Reviewer:_	

METHOD: GC Pesticides/PCBs (EPA S	W 846 Method 8081)		
The calibration verification percent diffe	erence (%D) values were recalculated for	Aroclor - 1260 - 1	using the following calculation:
Percent difference (%D) = 100 * (N - C)/N	Where: N = Initial Calibration Factor or Calibration Factor from Continu	Nominal Amount (ng) ing Calibration Standard or Cal	culated Amount (ng)

						Recalculated	Reported
Standard ID	Calibration Date/Time	Column	Compound	N	С	%D	%D
1997G.XOI	4-4-02	ChannelA	1260-1	1000	1001.32	0.1	0.1
	(9:37)						
:		_					

Comments: Refer	to Calibration Verification	n findings worksheet for list	of qualifications and associa	ted samples when reporte	d results do not agree within	10.0% of the
recalculated result	s				A	
			<u> </u>			<u> </u>
	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		····

LDC #: 8281 D3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:_	of
Reviewer:_	7. Pan
2nd reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

Sample ID: #4

SS = Surrogate Spiked

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference	
		(طوع)	(996)	Reported	Recalculated		
Tetrachloro-m-xylene	ChannelA	50.0	45.58	91	91	Y	
Tetrachloro-m-xylene							
Decachlorobiphenyl	V	\bigvee	41.56	83	83	Y	
Decachlorobiphenyl							

Sample ID:_____

Surrogate	Column	1		Percent Recovery	Percent Recovery	Percent Difference	
				Reported	Recalculated		
Tetrachioro-m-xylene							
Tetrachloro-m-xylene							
Decachlorobiphenyl							
Decachlorobiphenyl							

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference	
		-		Reported	Recalculated		
Tetrachloro-m-xylene							
Tetrachloro-m-xylene							
Decachlorobiphenyl							
Decachlorobiphenyl							

Sample ID:

Surrogate Column		Surrogate Surrogate rogate Column Spiked Found		Percent Recovery	Percent Recovery	Percent Difference	
				Reported	Recalculated		
Tetrachloro-m-xylene							
Tetrachloro-m-xylene							
Decachlorobiphenyl							
Decachlorobiphenyl							

Notes:_	 				
_	 				_
		 <u></u>			

LDC #: 828 | D3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

Page:_	
Reviewer:	Z. Par
2nd Reviewer:	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8080)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration

SC = Concentration

SA = Spike added

RPD = I MS - MSD I * 2/(MS + MSD)

MS = Matrix splike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples:

		pike	Sample			Matrix	Spike	Matrix Spi	ke Duplicate	M	S/MSD
Compound	ر ک	dded 9/Kg)	Concentration (Ug/Kg)			Percent Recovery		Percent Recovery		RPD	
	MS	MSD	/ J	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
gamma-BHC											
Heptachlor											
Aldrin				···							
Dieldrin											
Endrin											
4,4'-DDT											
Anocher 1016	174	174	0	147	146	84	84	84	84	0	0
V 1260	√	\downarrow	9.0	152	148	82	82	80	80	2	2
•											

Comments:	Refer ot Matrix Spike/Ma	atrix Spike Duplicates findings	worksheet for list of	qualifications and asso	ciated samples when re	<u>eported results do not agree w</u>	<u>/ithin</u>
0.0% of the	recalculated results.						
				·			

LDC #: 8281 D 3 SDG #: 02-2278

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	l ofl
Reviewer:_	Z. Pan
2nd reviewer:_	~
	/

		esults for # 4 and verified using the following equation:	reported with a positive detect were	е
Conce	entratio	$n = \frac{(A_{\bullet})(V_{\bullet})(DF)}{(RF)(V_{\bullet})(V_{\bullet})(\%S)}$	Example:	
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D:	
RF	=	Average response factor of the calibration standard.	Conc. = () () ()	
V.	=	Volume or weight of sample extract in milliliters (ml) or grams (g).	() ()()(
V,	=	Volume of extract injected in microliters (ul)	=	
٧,	=	Volume of the concentrated extract in microliters (ul)	· ·	
Df	=	Dilution Factor.		
% S	=	Percent solids, applicable to soil and solid matrices		

	only.				
#	Sample ID	Compound	Reported Concentration (V9/Kg)	Calculated Concentration (^{US} /Kq)	Acceptable (Y/N)
			/ /	J	
1	#4	Aroclor - 1260	17	17	Y
		For 1260-1			
		(1467 90 /1154.574	= 127.1		
		, ,			
		For 1260:			
		(127.1+ 125.36 + 87.	9+ 73.9 + 64	5 1 (5mL)	
		5	(30.09)	(0.9.59)	
		$= 17 \ \text{ug/}$			
		/kg			
		J			
1	1]		

<u> </u>	 	 	 		
Noto					
Note:		 	 	 	
,	 	 	 		

APPENDIX C

DRAFT NON-TIME CRITICAL REMOVAL ACTION REPORT AT INSTALLATION RESTORATION PROGRAM SITES 12B AND DISPOSAL OF PCB-CONTAMINATED SOIL, NAVAL BASE VENTURA COUNTY, PORT HUENEME SITE, CALIFORNIA (PREPARED BY CAPE, NOVEMBER 2002)

Provided on compact disc only.

DRAFT

NON-TIME-CRITICAL REMOVAL ACTION REPORT AT IRP SITE 12B, AND DISPOSAL OF PCB-CONTAMINATED SOIL NAVAL BASE VENTURA COUNTY PORT HUENEME, CALIFORNIA

ENVIRONMENTAL MULTIPLE AWARD CONTRACT (EMAC) PROJECTS
EMAC Basic Contract No. N68711-01-D-6003
Contract Task Order 002

Prepared for:

DEPARTMENT OF THE NAVY SOUTHWEST DIVISION Naval Facilities Engineering Command 1220 Pacific Highway San Diego, California 92132

Prepared by:

CAPE ENVIRONMENTAL 2823 McGaw Avenue Irvine, California 92614

> 26003.002.001 November 2002

DRAFT

NON-TIME-CRITICAL REMOVAL ACTION REPORT AT IRP SITE 12B, AND DISPOSAL OF PCB-CONTAMINATED SOIL NAVAL BASE VENTURA COUNTY PORT HUENEME, CALIFORNIA

ENVIRONMENTAL MULTIPLE AWARD CONTRACT (EMAC) PROJECTS EMAC Basic Contract No. N68711-01-D-6003 Contract Task Order 002

Prepared by:		
Bruce Dadpour	Date	
Cape Environmental Management Inc		
Project Engineer		
Approved by:		
Matt Nusenow, P.E.	Date	
Cape Environmental Management Inc		
Professional Civil Engineer		

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APPENDICES

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- C Survey Data
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LIST OF ABBREVIATIONS AND ACRONYMS

μg/kg micrograms per kilogram

ARAR applicable or relevant and appropriate requirement

ASTM American Society of Testing Materials

bgs below ground surface CAPE Cape Environmental

CERCLA Comprehensive Environmental Response, Compensation and Liability Act

CFR Code of Federal Regulations

COC chemical of concern

DDT 4,4'-dichlorodiphenyltrichloroethane

DOD U.S. Department of Defense

DTSC Department of Toxic Substances Control
EE/CA Engineering Evaluation and Cost Analysis
EMAC Environmental Multiple Award Contract
EPA U.S. Environmental Protection Agency

GC/ECD gas chromatography/electron capture detector

HI Hazard Index

IAS Initial Assessment Study

IRP Installation Restoration Program

LCS/LCSD laboratory control spike/laboratory control spike duplicate

MDL method detection limit mg/kg milligrams per kilogram

MS/MSD matrix spike/matrix spike duplicate

NBVC Naval Base Ventura County

NCP National Oil and Hazardous Substances Pollution Contingency Plan

NTCRA Non-Time-Critical Removal Action

OC organo-chlorine

OSHA Occupational Safety and Health Administration

P.E. Professional Engineer
PCB polychlorinated biphenyl

PRC PRC Environmental Management, Inc.

PRG preliminary remediation goal

PWC Public Works Center
RAO removal action objective
RPD relative percent difference

SI site investigation

SOP standard operating procedure

Tetra Tech Tetra Tech EM Inc.
USC United States Code

UST underground storage tank

VCAPCD Ventura County Air Pollution Control District

1.0 INTRODUCTION

Cape Environmental (CAPE) has prepared this Non-Time-Critical Removal Action (NTCRA) Report to summarize soil removal and disposal activities at Installation Restoration Program (IRP) Site 12B and stockpiled soil near Underground Storage Tank (UST) 02 at the Naval Base Ventura County (NBVC), Port Hueneme, California (see Figure 1). The U.S. Department of Defense (DOD) has the authority to undertake Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) response actions, including removal actions, under Title 42 of the United States Code (USC) Section 9604, Title 10 of the USC Section 2705, and Federal Executive Order No. 12580.

1.1 Soil Disposal Objective

The removal action objective (RAO) established for IRP Site 12B, as presented in Section 5.1 of the Action Memorandum/Removal Action Work Plan (Navy, 2001), was to limit potential exposure to chemicals of concern (COCs) in soils associated with IRP Site 12B by removing soils with polychlorinated biphenyl (PCB) concentrations above the action level of 1.0 milligram per kilogram (mg/kg), a criteria presented to comply with 40 Code of Federal Regulations (CFR) 761.61, which the Navy has identified as an applicable or relevant and appropriate requirement (ARAR). Attaining the RAO will result in residual noncancer risk levels below the acceptable Hazard Index (HI) of 1.0. The removal action is an interim action that will accommodate the current industrial land use.

2.0 SITE CONDITION AND BACKGROUND

The following sections provide a description and background of NBVC Port Hueneme, and history of previous investigations, removal actions, and activities at IRP Site 12B. The information was obtained primarily from the *Final Work Plan* (Geofon, 2002b) and indirectly from *Engineering Evaluation and Cost Analysis* (*EE/CA*) Report (Tetra Tech, 1998) and the *Final Action Memorandum/Removal Action Work Plan* (Navy, 2001).

2.1 Facility Description and Background

NBVC Port Hueneme consists of 1,615 acres of costal land situated approximately 5 miles northwest of the Santa Monica Mountains. The installation is situated east of the unincorporated Channel Islands, south of the city of Oxnard, and northwest of the city of Port Hueneme (see Figure 1). While there are other tenant organizations on base, the primary mission of NBVC Port Hueneme is to serve as a storage and mobilization area for military construction personnel and equipment.

NBVC Port Hueneme is a federally owned facility operated and managed by the Navy. Established in 1942 to meet World War II requirements, the facility now consists of approximately 750 buildings and supports a work force of more than 10,000 individuals.

Currently the facility is divided into home-ported and deployed functions that include military and technical training, outfitting of the Naval Mobile Construction Battalions and Seabee Teams, supply and administrative services, and logistic support in the deployment of the Pacific Naval Construction Force. NBVC Port Hueneme is also host command to tenant activities and lessees, such as Civil Engineering Corps Officer School and Cal-Pacific Drilling. Fluctuations in growth of the base reflect increased mobilization activity associated with World War II, the Korean War, and the Vietnam War. Most existing facilities were constructed to support these periods of mobilization.

2.2 Site Description and Background

The location of the site within the installation is shown in Figure 2. The site is covered with concrete and asphalt. All of IRP Site 12B is the removal site, which covers an area of approximately 17,000 square feet. Approximately 9,000 square feet of PCB-impacted soil were removed by Geofon, and the remainder was removed by CAPE and is discussed herein. IRP Site 12B is used occasionally as a parking area for large vehicles.

Generators and transformers were serviced at IRP Site 12B between the early 1970s and 1980. During maintenance activities, the dielectric fluid was removed from generators and transformers and filtered to reduce the moisture content and other impurities. Up to 10 gallons of dielectric fluid was spilled onto the ground during each generator and transformer service (PRC Environmental Management, Inc. [PRC], 1993). An estimated total of 500 gallons to 600 gallons of PCB-containing dielectric fluid was spilled at the site. The Initial Assessment Study (IAS) conducted in 1985 reported that the spills were cleaned up with rags that were disposed of off site (PRC, 1993).

2.3 History of Previous Investigations, Removal Actions, and Activities

2.3.1 Site Inspection at IRP Site 12B

A site inspection (SI) was conducted in 1991 at IRP Site 12B to investigate potential PCB contamination of the soils underlying an area used to service transformers (PRC, 1997b). Field activities consisted of sampling soils within a 50- by 130-foot grid with 10-foot centers. Sixty-five shallow soil samples were collected at 0.5 foot below ground surface (bgs) and composited into 10 samples and two duplicate samples. Discrete soil samples were collected from seven boreholes at 0.5 foot and 1.5 feet bgs. Both composite samples and discrete borehole samples were analyzed for organo-chlorine (OC) pesticides and PCBs. PCBs were detected in nine of the 10 shallow composite samples and in the two duplicates samples, with concentrations ranging from 0.79 mg/kg to 2.7 mg/kg (PRC, 1993). PCBs were detected in six of the seven borehole samples at 0.5 foot bgs, with concentrations ranging from 1.2 mg/kg to 3.2 mg/kg. In the seven borehole soil samples collected at 1.5 feet bgs, PCBs were detected at concentrations ranging from 1.0 mg/kg to 10.0 mg/kg. The OC pesticide 4,4'-dichlorodiphenyltrichloroethane (DDT) was only detected in one composite soil sample at a low concentration of 0.087 mg/kg.

In 1993, Tetra Tech EM Inc. (Tetra Tech)(formerly PRC) conducted a removal site evaluation based on the data collected during the SI. The data evaluation indicated analytical results in excess of screening levels for the site, so a comprehensive risk evaluation was performed. The risk evaluation indicated no significant risk, and the site was recommended for no further action and removal from the IRP. The Department of Toxic Substances Control (DTSC) did not concur with the recommendation and requested additional data from the site.

In response to the DTSC's request for additional data in support of the no further action recommendation, Tetra Tech collected 31 discrete samples using a Geoprobe (PRC, 1997b) to confirm data collected during the 1991 SI. Eleven Geoprobe borings were advanced and discrete subsurface soil samples were collected for PCB analysis. Sample Locations B-1, B-2, B-3, B-4, B-5, and B-6 were advanced in the southern end of the vacant lot located west of Building 816. Sample Locations B-7, B-8, B-9, B-10, and B-11 were advanced at the northern end of the vacant lot. The borings were terminated at depths ranging from 6.5 feet to 11 feet bgs. Samples were collected at depths ranging from 1 foot to 11 feet (Table 3 of the August 27, 1997, PRC Technical Memo). The PCB Aroclor 1260 was detected in Borings B1, B3, B6, and B10 at concentrations ranging from 0.052 mg/kg to 2.7 mg/kg. PCBs are estimated to be present beneath all of IRP Site 12B.

- **2.3.1.1** Preliminary Ecological Risk Evaluation at IRP Site 12B. The Navy conducted a preliminary ecological risk evaluation at IRP Site 12B from January 11, 1999, through January 13, 1999, to determine whether the site presents a risk to nearby ecological receptors. The purpose of the preliminary ecological risk evaluation was to determine if sufficient natural resources are at risk, due to site contaminants or proposed removal actions, to warrant a Phase I ecological assessment. The results of the evaluation are summarized below:
- No vegetation or endangered plant species are present on IRP Site 12B
- ▶ IRP Site 12B does not provide habitat for endangered species.

The results of the preliminary ecological risk evaluation indicated that a Phase I ecological risk assessment was not warranted for IRP Site 12B, and that the proposed removal action should proceed as planned.

2.3.1.2 Release or Threatened Release into the Environment of a Hazardous Substance, Pollutant, or Contaminant. The estimated human health risks resulting from exposure to the COCs in soil at IRP Site 12B are characterized in this section. The risk characterization is based on information obtained and risk assessments performed during previous investigations.

Results of risk evaluations conducted at each site show that the cancer risk associated with exposure to PCBs at IRP Site 12B is within the National Oil and Hazardous Substances Pollution Contingency Plan's (NCP's) 1 x 10⁻⁶ and 1 x 10⁻⁴ excess cancer risk

management range, but noncancer risk exceeds the threshold HI of 1 at each site. Therefore, the Navy decided to conduct a removal action in an effort to meet the target risk level established for these compounds.

2.3.1.3 Screening-Level Risk Evaluation IRP Site 12B. A screening-level risk evaluation was conducted for IRP Site 12B (PRC and Montgomery Watson, 1996; Tetra Tech, 2001b) to estimate the potential residential cancer risk and noncancer HI from exposure to subsurface soil (0 to 10 feet bgs) at the site. In the evaluation, exposure point concentrations for detected chemicals in site subsurface soil were compared to the U.S. Environmental Protection Agency (EPA) Region 9 residential soil preliminary remediation goal (PRG) (EPA, 2000). The estimated residential cancer risk is 1.9×10^{-5} ; Aroclor 1260 contributes to the majority of the estimated risk. The cancer risk for all other detected chemicals is less than 1×10^{-6} . The cancer risk is within the NCP's 1×10^{-6} and 1×10^{-4} excess cancer risk management range.

The estimated residential HI is 2.5; the majority of the HI is attributable to Aroclor 1260. The HI exceeds the threshold value of 1, indicating a potential for adverse health effects from residential exposure to soils at IRP Site 12B. In the absence of a noncancer PRG for Aroclor 1260, the noncancer PRG for Aroclor 1254 was used as a surrogate in the evaluation.

- **2.3.1.4 Engineering Evaluation and Cost Analysis at IRP Site 12B.** In 1998, Tetra Tech prepared an EE/CA for IRP Site 12B (Tetra Tech, 1998). The purpose of the EE/CA was to identify and analyze alternative removal actions to address the soil contamination at IRP Site 12B. Four removal action alternatives were identified, evaluated, and ranked based on effectiveness, implementability, and cost. The four alternatives are as follows:
- ▶ Alternative 1 Soil removal and offsite disposal
- Alternative 2 Soil removal and ex situ physical treatment
- Alternative 3 In situ biological treatment
- Alternative 4 *In situ* thermal treatment.

Based on the comparative analysis of the removal alternatives completed in Section 4.0 of the EE/CA, the recommended removal action was Alternative 1, Removal and Offsite Disposal. This alternative reduces the threat of exposure to contaminants on and off site, achieves the proposed RAO, and meets ARARs.

Under this alternative, soil affected with COCs would be excavated using a backhoe or other conventional earthmoving equipment, stockpiled, and loaded onto trucks for transportation to an EPA-approved disposal facility.

The excavations resulting from the removal activities would be backfilled with clean engineering fill after acceptable confirmation sample results were obtained.

Previous Removal Action and Activities

Geofon conducted a limited interim removal action at IRP Site 12B. This removal action consisted of excavation (approximately 1,871 tons) to a maximum depth of 4 feet in an area approximately 60 feet to 75 feet wide by 140 feet long (Geofon, Inc., 2002a). The excavated soil was transported and disposed at Chemical Waste Management's Kettleman Hill Facility in Kettleman City, California, from March 28 to April 3, 2002.

3.0 PRECONSTRUCTION ACTIVITIES

The Public Works Center (PWC) for NBVC Port Hueneme was contacted to mark the location of subsurface utilities within the removal area. CAPE personnel met with PWC team to discuss the base procedures and requirements for weighing trucks and manifests.

4.0 FIELD ACTIVITIES

During the excavation, transportation, and disposal of the PCB-impacted soil, CAPE personnel prepared Daily Summary Reports, which were submitted to the Navy Resident Officer. These reports documented the significant activities and information for each day.

Date	Activity
August 18, 2002	Mobilized to site.
August 19, 2002	Installed temporary fence around exclusion zone at IRP Site 12B. Arranged equipment delivery. Surface concrete and asphalt was saw cut. Excavated, stockpiled, and covered the stockpiled soil at IRP Site 12B.
August 20, 2002	Finished removing and stockpiling the asphalt at IRP Site 12B. Continued to excavate and stockpile soil from the exclusion zone. A water line in the exclusion zone was encountered and shut off. Approximately 445 tons of soil from stockpiled soil near UST 02 were loaded, and transported for disposal at Chemical Waste Management's Kettleman Hill Facility in Kettleman City, California.
August 21, 2002	Loaded and transported approximately 443 tons of soil for disposal from the stockpiled soil near UST 02 and IRP Site 12B. Repaired and protected the water line at IRP Site 12B.
August 22, 2002	Loaded and transported approximately 482 tons of soil for disposal from IRP Site 12B. Excavated around the electrical vault, water, and storm drain, but left soil under utilities in place for support. Loaded the concrete

and rebars, and disposed at Lindseys Dump.	Loaded	and	transported
approximately 180 tons of asphalt for recycling.			

August 23, 2002 Finished excavating soil in the exclusion zone. Loaded and transported approximately 552 tons of soil for disposal from IRP Site 12B. Collected 27 soil samples from excavation sidewalls and bottom for laboratory analysis by Paragon Analytics, Inc. Anacapa Surveying surveyed the soil sampling locations.

August 26, 2002	Finished loading and transporting approximately 665 tons of soil for
	disposal from IRP Site 12B. Started to backfill and compact the exclusion
	zone with fill sand. Collected two soil samples (RA12.Backfill) from the
	backfill area for laboratory analysis. Backfill compaction testing was
	conducted by Pacific Materials Laboratory.

August 27, 2002	Backfille	d and	comp	acted	exc	cavatic	on v	with	fill	sar	ıd.	Cle	aned	site.
	Backfill	compa	action	testii	ng	was	con	ducte	ed	by	Paci	ific	Mate	erials
	Laborator	y.												

August 28, 2002	Placed the Class II base over the compacted sand, and compacted.
	Started to finish grade and prepare for new asphalt. Backfill compaction
	testing was conducted by Pacific Materials Laboratory.

August 29, 2002	Continued to finish grade and compact IRP Site 12B parking lot. Backfil
	compaction testing was conducted by Pacific Materials Laboratory.

August 30, 2002	Finished grading and compacting the IRP Site 12B parking lot. Backfill
	compaction testing was conducted by Pacific Materials Laboratory.
	Demobilized and cleaned site. Paved the site with 2 inches of hot asphalt
	as binder and 2 inches of hot asphalt for surface cover.

5.0 CONSTRUCTION ACTIVITIES

5.1 Soil Excavation

Before soil excavation, all asphalt surfaces within the limits of soil removal were saw cut, removed, and transferred to a central stockpile area for transportation and disposal. The soil sampling results previously collected by Geofon in April 2002 were used to determine the excavation limits.

Excavation of the contaminated soil was performed between August 19 and August 26, 2002. The excavated soil was directly loaded into trucks for disposal. However, since the soil was being excavated faster than it could be hauled off, some of the excavated soil was transferred to a central stockpile area, and then loaded into trucks for disposal.

Excavations were sloped according to Occupational Safety and Health Administration (OSHA) requirements, where applicable. The excavation depth ranged from 3.86 feet to 5.12 feet bgs. The excavation was extended at the northwest corner by 30 feet to 40 feet, at the southwest corner by 20 feet, and at the southeast corner by 40 feet. The final excavation dimensions were approximately 80 feet to 130 feet wide, 160 feet long, and 4.5 feet deep, as shown in Figures 3 and 4.

During excavation activities, water was sprayed on the stockpiled soil and around the excavated area, as needed, to control dust emissions to ensure compliance with Ventura County Air Pollution Control District (VCAPCD) regulations.

5.2 Soil Disposal

A total of 2,538 tons of contaminated soil was transported using Nonhazardous Waste Data Forms (manifests) to Kettleman Hills Landfill, a Class I landfill facility located in Kettleman City, California. Approximately 445 tons of soil were previously stockpiled near UST 02, and approximately 2,093 tons of soil were excavated by CAPE at IRP Site 12B in August 2002. Manifests were prepared by the receiving facility and signed by Lloyd Sewell of the NBVCPH. A California-licensed material hauler transported the soil to the disposal facility. Copies of the manifests are located in Appendix A.

5.2.1 Confirmation Sampling And Analysis Results

Confirmation soil sampling and analysis was performed at IRP Site 12B to verify presence of PCBs. The confirmation soil samples were submitted to a U.S. Navy-certified laboratory, Paragon Analytics, Inc. of Fort Collins, Colorado, for PCBs analysis using EPA Method 8082. The soil sampling and laboratory analysis was conducted in accordance with the *Field Sampling Plan* (CAPE, 2002), and *Quality Assurance Project Plan* (Geofon, 2002). The laboratory analysis results are summarized in Table 1, and in Figure 3. Chain-of-custody protocols were followed throughout sample collection and handling. Copies of the chain-of-custody records and the analytical results are located in Appendix B.

On August 23, and August 24, 2002, CAPE collected 29 confirmation soil samples from the floor and sidewalls of the excavation into glass jars after the edges of the excavation were reached. Three of these were duplicate samples (W19-C-03, F09-C-04, W25-C-03) that were collected according to the Field Sampling Plan (CAPE, 2002), and Quality Assurance Project Plan (Geofon, 2002). Three of the confirmation soil samples and one field duplicate sample (W20-A-03, W24-A-03, W26-A-03, W25-C-03) indicated PCB results above the action level of 1 mg/kg (1,000 μ g/kg), and they are located adjacent to the existing building at IRP Site 12B. The volume of the PCB-impacted soil adjacent to and under the building is estimated to be 150 cubic yards and it can be removed and disposed after the building has been demolished. Figure 3 shows the confirmation soil sampling locations.

5.2.2 Contaminated Soil Stockpile Management

A perimeter fence was constructed around the stockpile and excavation area. The stockpiled soil was sprayed with water to prevent emissions to the atmosphere. A 10-mil polyethylene sheeting was used for a base and to cover excavated soil, to control emissions, and to prevent infiltration of precipitation. The polyethylene cover was fully anchored using sandbags and straw bales to prevent displacement or loss of the cover due to weather.

5.2.3 Surveying

Following excavation and soil confirmation sample collection, and before backfilling with imported material, CAPE contracted Anacapa Surveyors to survey the excavation limits, and the confirmation sample point locations. Coordinates and elevations were based on the survey by CAL VADA Surveying, Inc. dated December 18, 2001. The survey results are shown in Table 1, located in Appendix C. Table 2 and Figure A, also in Appendix C, show the soil volume calculations, and the surface area subdivision for the soil volume calculations.

5.2.4 Compaction Testing

Compaction testing was performed on the compacted material in the excavations to assure they were compacted to 95 percent maximum dry density (American Society of Testing Materials [ASTM] D 1557). Results of the compaction testing are presented in Appendix D.

5.2.5 Site Restoration

Upon completion of soil excavation, 1,212 tons of screen fill sand was used to fill the excavations. The excavations were backfilled and compacted to ASTM standards.

The excavation was graded to 9 inches below original elevation and dimensions with backfill material. Backfill material was placed in 6-inch maximum lifts and compacted to 90 percent density of ASTM D 1557. An aggregate base course was placed and compacted on compacted and prepared subgrade. The upper 6 inches of subgrade was compacted to 95 percent maximum dry density (ASTM D 1557). An aggregate base course of 4 inches was placed before 4 inches of asphaltic concrete was placed.

6.0 QUALITY ASSURANCE/QUALITY CONTROL

CAPE's Field Sampling Plan (2002), was followed during the confirmation soil sampling. Three field duplicate samples were collected during the removal action. Results of the field duplicate samples are presented in Table 1.

6.1 **Quality Control Summary**

A total of 29 samples were collected and analyzed for PCBs by EPA Method SW-846 8082. The samples were analyzed by Paragon Analytics, a Navy-approved laboratory. Samples were extracted by Method 3540C, and cleaned up in accordance with Method 3665A in an attempt to remove potential interferences. The extracts from Samples 4, 19, 20 and associated QC were also processed using sulfur cleanup, based on Paragon's Standard Operating Procedure (SOP) for Method 3660B.

Extracts were analyzed using gas chromatography/electron capture detector (GC/ECD) with an RTX-CLPesticides capillary column according to Paragon Analytics SOP 409 Revision 1, based on SW-846 Method 8082. All positive results were then confirmed on an RTX-CLPesticidesII column. The quantitation of each analyte is the higher of the concentrations obtained from each column that met initial and continuing calibration criteria.

6.1.1 Initial and Continuing Calibration

All initial and continuing calibration criteria were met with the following exceptions: continuing calibration 1254 090302-4CCV and 1254 090902-4CCV were both high on Column 1 for tetrachloro-m-xylene.

6.1.2 Method Blanks

The method blanks associated with this project were below the method detection limit (MDL) for all analytes.

6.1.3 Laboratory Control Spikes and Control Spike Duplicates

All laboratory control spike and laboratory control spike duplicate (LCS/LCSD) recoveries and relative percent differences (RPDs) were within acceptable criteria.

6.1.4 Matrix Spike and Matrix Spike Duplicates

Matrix Spike/Matrix Spike Duplicates (MS/MSDs) 21MS and 21MSD were not analyzed due to the high concentration of target analytes in the native sample. All other MS/MSD recoveries and RPDs were within acceptance criteria with the following exception: Aroclor 1260 in 20MS and 20MSD was biased low. The recoveries of this compound in the LCS and LCSD were within control limits, which suggest that the outlier in the MS/MSD may have been due to matrix effects.

6.1.5 Holding Time

All samples were extracted and analyzed within the holding times.

6.1.6. Surrogate Recoveries

Surrogate recoveries could not be reported for Samples 21, 25, 26, or 27 due to sample dilutions. All other surrogate recoveries were within acceptance criteria.

7.0 CONCLUSIONS

The removal action was performed to limit potential exposure to COCs in soils by removing soils with PCBs concentrations of above 1,000 μ g/kg. As shown in Figure 3, the accessible volume of the impacted soil has been removed and disposed of.

Approximately 150 cubic yards of PCB-impacted soil remain adjacent to and under the existing building, which can be removed and disposed of after the building has been demolished.

8.0 REFERENCES

Cape Environmental (CAPE), 2002. Field Sampling Plan for Soil Removal and Disposal for the Interim Removal Action at IRP Site 12B, Disposal of PCB-Contaminated Soil, and Operation of Groundwater Remediation System at UST 02, Naval Base Ventura County, Port Hueneme Site, California. July.

Geofon, Inc., 2002. Final Quality Assurance Project Plan for CERCLA Non-Time-Critical Removal Action at Installation Restoration Program IRP Site 12B and 23, Naval Base Ventura County Port Hueneme Site, California.

Tetra Tech EM Inc. (Tetra Tech), 1998. Environmental Evaluation and Cost Analysis, Non-Time-Critical Removal Action for IRP Sites9, IRP Site 12B, and 23, NBVC Port Hueneme, California. October 9. 1

U.S. Department of the Navy (Navy), 2001. Final Action Memorandum/Removal Action Work Plan.

TABLES

Table 1
Confirmation Soil Sampling Analytical Results
Non-Time-Critical Removal Action at Site 12B
Naval Base Ventura County, Port Hueneme, California

Concentration of PCB Aroclor (ug/kg)

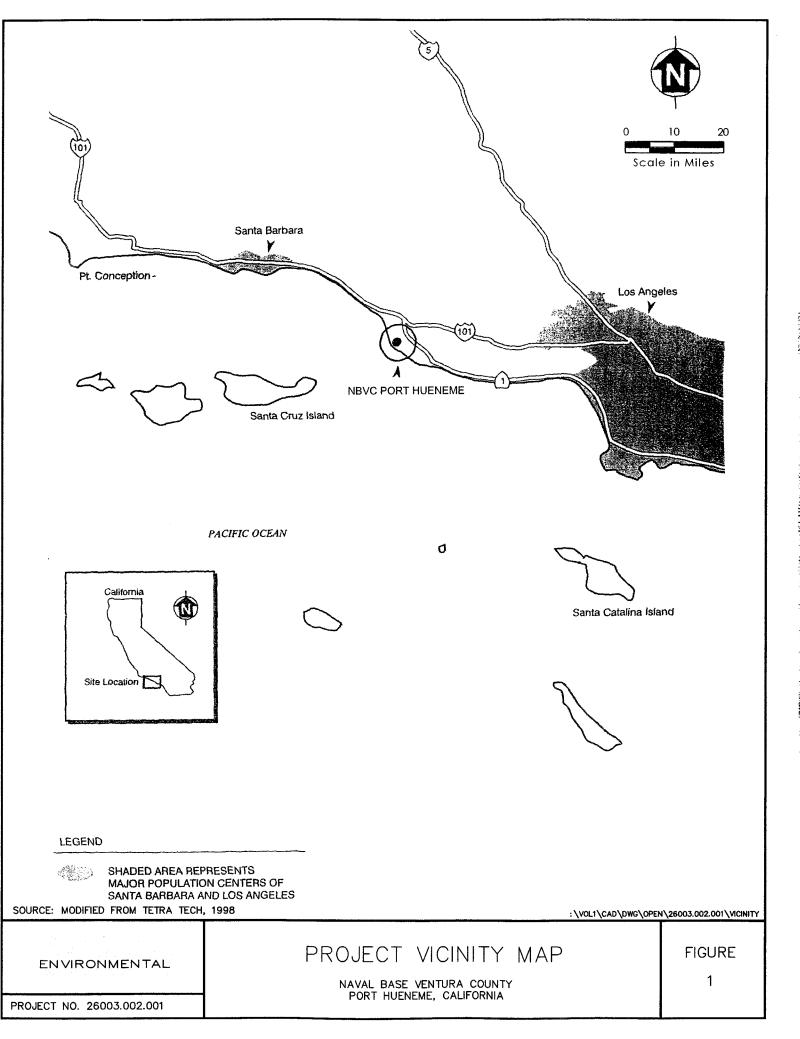
Sample Number	Aroclor-1016	Aroclor-122	Aroclor-1232	Aroclor-1242	Aroclor-124	Aroclor-1254	Aroclor-1260
W01-A-03	ND	ND	ND	ND	ND	ND	ND
W02-A-03	ND	ND	ND	ND	ND	ND	780
W03-A-03	ND	ND	ND	ND	ND	ND	ND
W04-A-03	ND	ND	ND	ND	ND	ND	220
W05-A-03	ND	ND	ND	ND	ND	ND	610
W06-A-03	ND	ND	ND	ND	ND	ND	320
F07-A-04	ND	ND	ND	ND	ND	ND	ND
F08-A-04	ND	ND	ND	ND	ND	ND	21 J
F09-C-04	ND	ND	ND	ND	ND	ND	ND
W10-A-03	ND	ND	ND	ND	ND	ND	5.7 J
W11-A-03	ND	ND	ND	ND	ND	ND	ND
W12-A-03	ND	ND	ND	ND	ND	ND	ND
W13-A-03	ND	ND	ND	ND	ND	ND	ND
W14-A-03	ND	ND	ND	ND	ND	ND	ND
W15-A-03	ND	ND	ND	ND	ND	ND	ND
W16-A-03	ND	ND	ND	ND	ND	ND	9.4 J
W17-A-03	ND	ND	ND	ND	ND	ND	ND
W18-A-03	ND	ND	ND	ND	ND	ND	500
W19-A-03	ND	ND	ND	ND	ND	ND	160
W19-C-03	ND	ND	ND	ND	ND	ND	160
W20-A-03	ND	ND	ND	ND	ND	ND	2700
W21-A-03	ND	ND	ND	ND	ND	ND	ND
F22-A-04	ND	ND	ND	ND	ND	ND	7.9 J
F23-A-04	ND	ND	ND	ND	ND	ND	22 J
W24-A-03	ND	ND	ND	ND	ND	ND	2100
W25-C-03	ND	ND	ND	ND	ND	ND	6900
W26-A-03	ND	ND	ND	ND	ND	ND	3100
RA12B.BACKFILL	ND	ND	ND	ND	ND	ND	ND

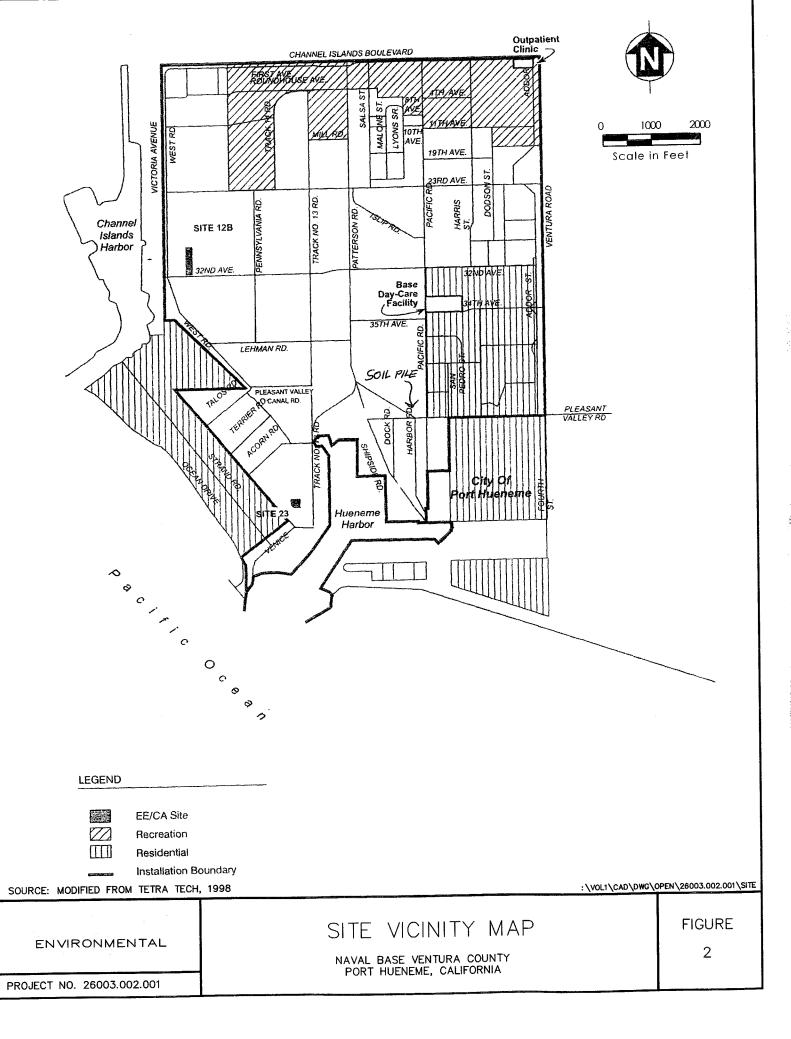
Shaded areas indicate the concentration exceeds action limit of 1000 ug/kg or 1 milligram/kilogram (mg/kg). ug/kg = micrograms/kilogram

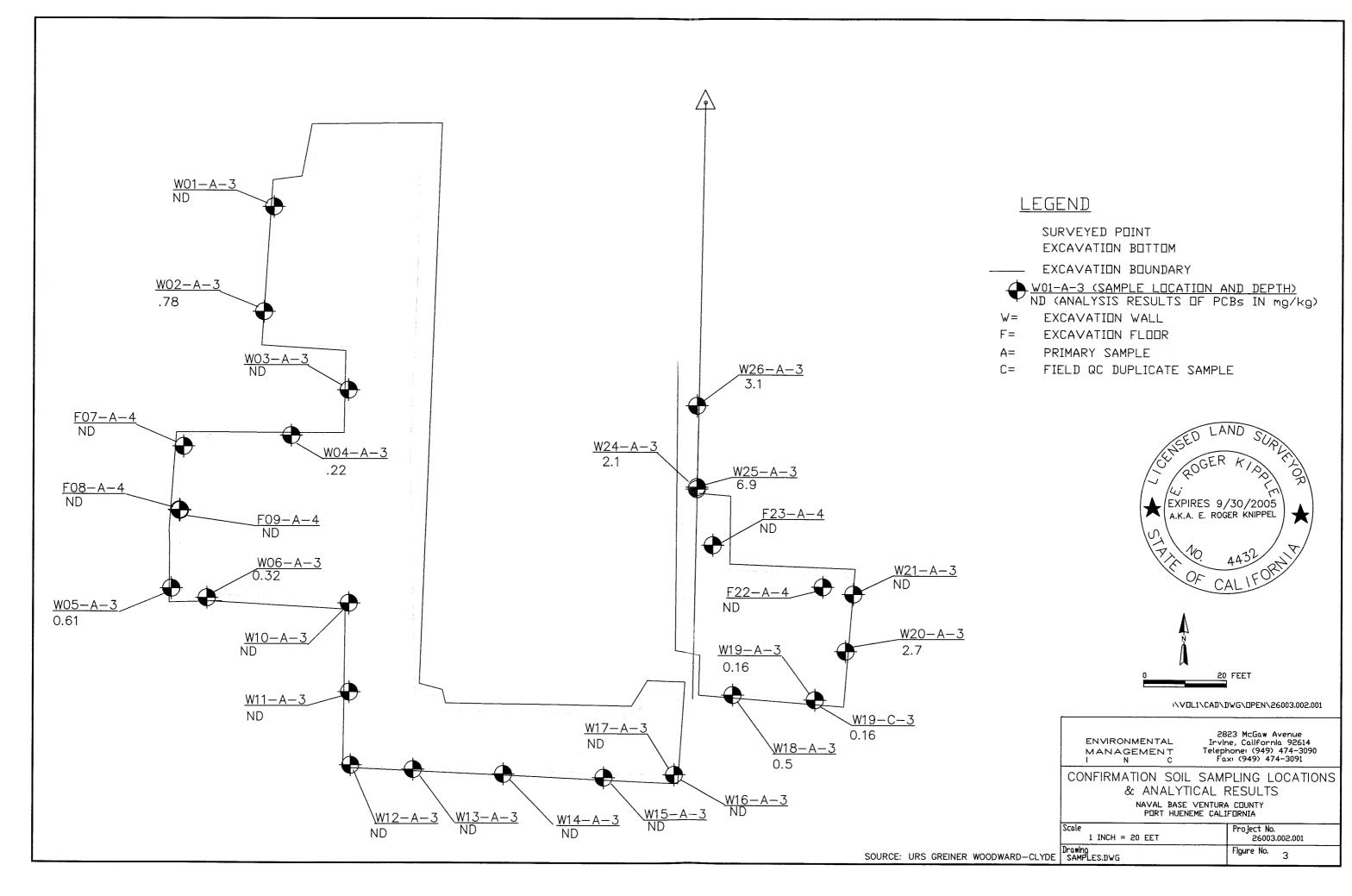
J = estimated value. Concentration is between the reporting limit and method detection limit.

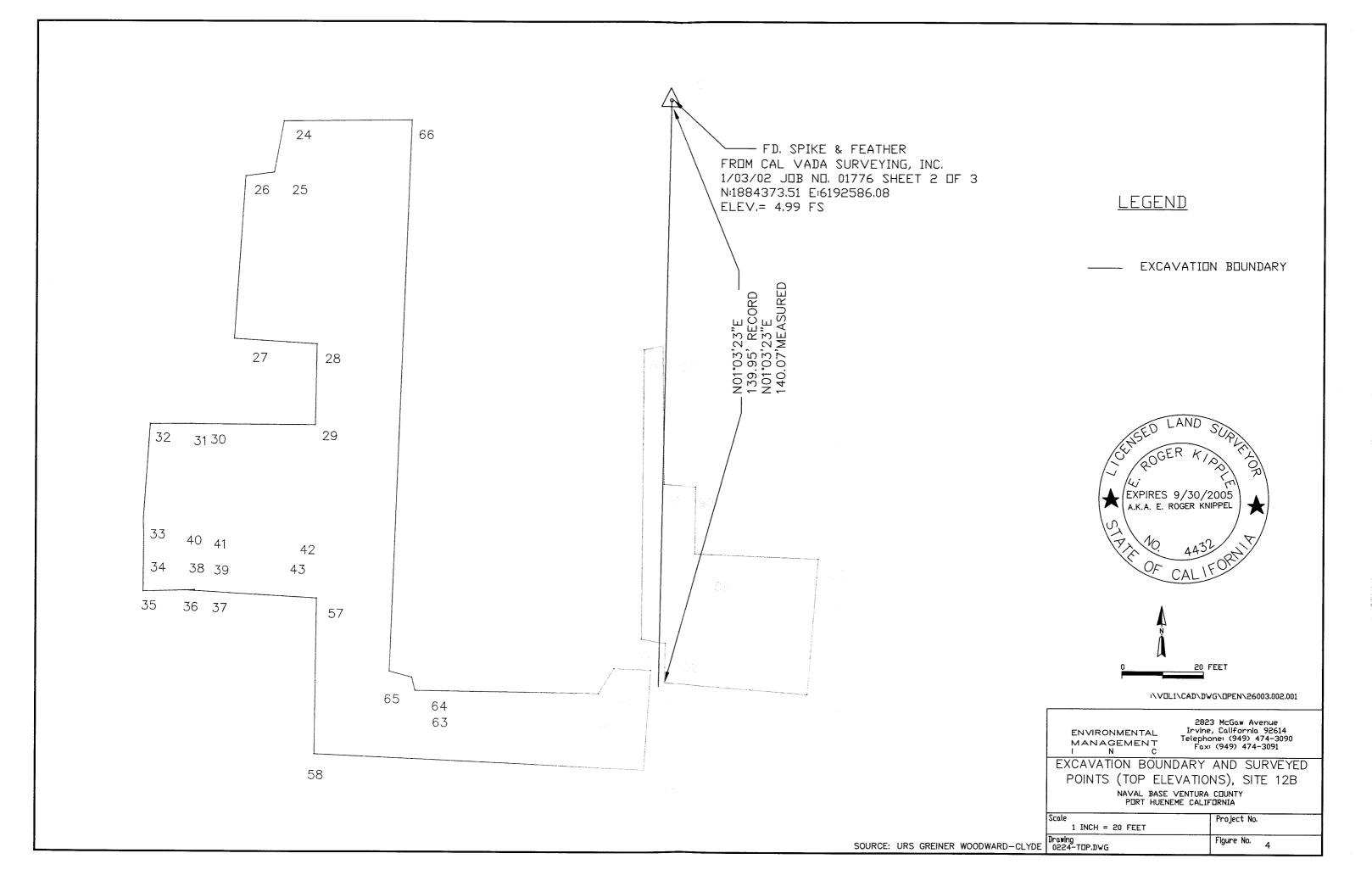
PCB = polychlorinated biphenyls analyzed by U.S. EPA Method 8082.

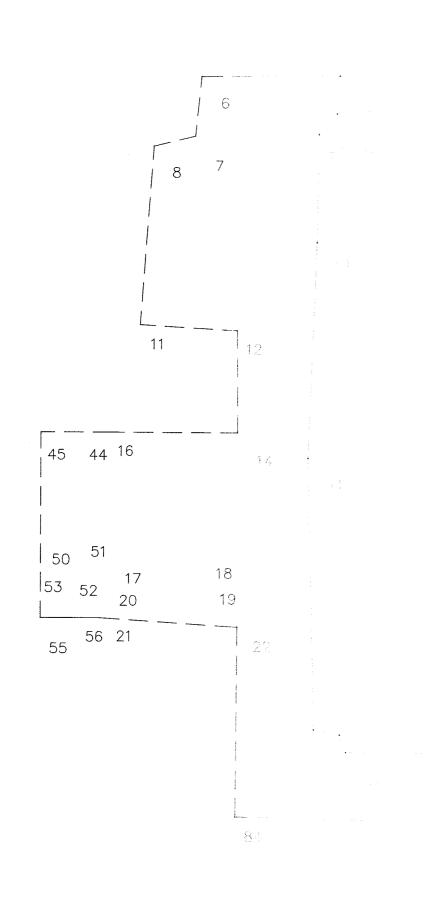
FIGURES











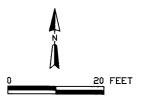
FD. SPIKE & FEATHER
FROM CAL VADA SURVEYING, INC.
1/03/02 JOB NO. 01776 SHEET 2 OF 3
N:1884373.51 E:6192586.08
ELEV.= 4.99 FS

__N01*03'23"E ___ 139.95' RECORD N01*03'23"E 140.07'MEASURED

LEGEND

EXCAVATION BOTTOM





\VOL1\CAD\DWG\OPEN\26003.002.001

ENVIRONMENTAL MANAGEMENT I N C 2823 McGaw Avenue Irvine, California 92614 Telephonei (949) 474-3090 Faxi (949) 474-3091

EXCAVATION BOUNDARY AND SURVEYED POINTS (BOTTOM ELEVATIONS), SITE 12B

NAVAL BASE VENTURA COUNTY PORT HUENEME CALIFORNIA

NOTE: COORDINATES AND ELEVATIONS ARE BASED ON THE SURVEY BY CAL VADA SURVEYING, INC. DATED DECEMBER 18, 2001 REVISED 01/03/2002

SOURCE: URS GREINER WOODWARD-CLYDE Drawing 0224BTTM.DWG

APPENDIX A

NONHAZARDOUS WASTE DATA FORMS AND WEIGHT CERTIFICATES

BDC SPECIAL WASTE SERVICES WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

	34.3 (1.3) 14 (1.3) 14 (1.4) 14 (1.4) NAME									
	ADDRESS			EPA I.D. NO.						
:	ADDRESS			NO.	1:17					
	CITY, STATE, ZIP			PHONE NO. ()						
GENERATOR	CONTAINERS: No.	VOLUM	E/CY	WEIGHT/TONS	<u> </u>					
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A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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NER	TYPE: ROLL-OFF DUMP TRUCK DRUMS CARTONS OTHER,									
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ER.	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER								
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	WASTE DESCRIPTION OF THE PERSON AND	1941 - Felt - Felt	GENERATING PROCESS	<u> </u>		
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	VOC-OVA READINGS		4.			
TO BE	SITE ADDRESS	Prairie Middel Ref. 1981.	2			
	PROPERTIES: pH					
	HANDLING INSTRUCTIONS:		1.5 (1.6)			
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BDC SPECIAL WASTE SERVICES

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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S	CONTAINERS: NA	<u> </u>		VOLUME/CY		WEIGHT/TONS	592
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	WASTE DESCRIPTION	\$ 《李海》(海野水)	Special States of the Control of the	GENE	RATING PROCESS		
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	PROPERTIES: pH SOLID LIQUID SLUDGE SLURRY OTHER						
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BDC SPECIAL WASTE SERVICES

A WASTE MANAGEMENT COMPANY

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	VOC-OVA READINGS						
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F	PROPERTIES: pH SOLID	□LIQUID □SLUDGE □SLUF	RRY OTHER				
	HANDLING INSTRUCTIONS:						
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	で、別等の報酬を開発します。 CITY, STATE, ZIP	PHONE NO. ()					
TOR	CONTAINERS: No VOLUME/CY	WEIGHT/TONS					
GENERATOR	TYPE: ROLL-OFF DUMP DRUMS CARTONS OTHER						
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р ВУ	COMPONENTS OF WASTE PPM %	COMPONENTS OF WASTE PPM %					
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	HANDLING INSTRUCTIONS:						
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BDC SPECIAL WASTE SERVICES

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	NAME	or with the					
	ADDRESS			EPA I.D. NO.			
	CITY, STATE, ZIP	11.1 ₁ .1		PHONE NO. ()			
GENERATOR				WEIGHT/TONS			
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5	PROPERTIES: pH SOLID						
	HANDLING INSTRUCTIONS:						
	THE GENERATOR CERTIFIES THAT T WASTE AS DESCRIBED IS 100% NO HAZARDOUS.		NAME & SIGNATURE		DATE		
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	ADDRESS	No Carlo Service Sy			. :			
TOR				WEIGHT/TONS				
:RA:	TYPE: ROLL-OFF TRUCK	DUMP DRUMS CART	ONS OTHER		*			
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0 R	CONTAINERS: No	VOLUM	ME/CY	WEIGHT/TONS					
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766 S. AYON AVE. • AZUSA, GA 91702 (626) 969-1384 • FAX (626) 969-4971

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2	SITE ADDRESS		Principal Principal			No district Authority				
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OR	CONTAINERS: No	VOLU!	ME/CY	WEIGHT/TONS	2012			
RAŢ	TYPE: ROLL-OFF DU							
GENERATOR								
1	WASTE DESCRIPTION	Republic States of the	GENERATING PROCESS	<u> </u>				
ЭВУ	COMPONENTS OF WASTE	PPM %	COMPONE	NTS OF WASTE	PPM %			
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•	PROPERTIES: pH 3 3							
	。 "我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的							
	HANDLING INSTRUCTIONS:							
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r	TRANS	S B						
	C/O	RT/CD HWDF	NONE					
			DISCREPANCY					

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	ADDRESS	aris Bays	Antonia (h. 1865)				EPA I.D. NO.		
	CITY, STATE, ZIP	道 (44) (新)。 ·	rg Wille		****		PHONE NO. ()	
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BDC SPECIAL WASTE SERVICES

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	NAME							
	ADDRESS	4 5.472 3.3		EPA I.D. NO.				
	CITY, STATE, ZIP	s to the second		PHONE NO. ()				
	CONTAINERS: No.	VOLUME	E/CY	WEIGHT/TONS				
		MP DRUMS CARTON						
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	PROPERTIES: pH	□ LIQUID □ SLUDGE □	SLURRY OTHER					
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	CONTAINERS: No	; 		VOLUME/CY _		WEIGHT/TONS				
	TYPE: ROLL-OFF AND DUMP TRUCK DRUMS CARTONS OTHER									
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BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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BDC SPECIAL WASTE SERVICES

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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	TYPE: LI TRUCK	TRUCK LI BROWS	CARTONS 0	in the first section of the fi		9		
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BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

766 S. AYON AVE. • AZUSA, CA 91702 (626) 969-1384 • FAX (626) 969-4971

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	PROPERTIES: pH □ SOLID	☐ LIQUID ☐ SLUDGE	□ SLURRY □ OTHER	
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·	PROPERTIES: pH		SLURRY OTHER_		
	HANDLING INSTRUCTIONS:	· · · · · · · · · · · · · · · · · · ·	And the second s		:
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5	SITE ADDRESS PROPERTIES: pH 1 SOLID				
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	ADDRESS ADDRESS	. · · · · · · · · · · · · · · · · · · ·		EPA I.D. NO.				
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GENERATOR		DUMP DRUMS						
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	HANDLING INSTRUCTIONS:							
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BDC SPECIAL WASTE SERVICES WAYA A WASTE MANAGEMENT COMPANY

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766 S. AYON AVE. • AZUSA, CA 91702

NON-HAZARDOUS WASTE DATA FORM

(626) 969-1384 • FAX (626) 969-4971

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WEIGHT (LB)	TIME DATE	COMMODATY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
		DEPUTY WEIGHMASTER	
GROSS:			NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:			(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
			- Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

<u>WEIGHT (LB) TI</u>	ME DATE	COMMODITY: HAZARDOUS	WEIGHMASTER weighed at 35251 Old Skyline Road
GROSS:		DEPUTY WEIGHMASTER	NO: WEIGHMASTER CERTIFICATE
TARE:	·		This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an influence of the certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement
YARDAGE:			Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	IME DATE		COMMODITY: HAZA	_	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
GROSS:					NO:
					WEIGHMASTER CERTIFICATE This is to certify that the following described
					commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
TARE:					certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
					(commencing with § 12700) of Division 5 of the California Business & Professions Code,
NET:					administered by the Division of Measurement Standards of California Department of Food
YARDAGE:					and Agriculture.
GENERATOR	MANIFEST	PRO	FILE NO.		
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WEIGHT (LB) CROSS: TARE:	TIME DAT	E	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or count by a WEIGHMASTER, whose signature is an th certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
YARDAGE:		:		administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	_	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #		RECEIPT #	
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GROSS:		DEPUTY WEIGHMASTER	NO:WEIGHMASTER CERTIFICATE
TARE:	,		This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
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GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) <u>TIME</u>	<u>DATE</u>		COMMODITY	Y: HAZARDOUS WA	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:				DEPUTY	WEIGHMASTER	NO:WEIGHMASTER CERTIFICATE
TARE:						This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:						the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR		MANIFEST	PR	OFILE NO.		
TRACTOR LICENSE NO.		BIN #	RE	ECEIPT #		

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
NET:			(commencing with § 12700) of Division 5 of the Caiffornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE: NET: YARDAGE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Californio Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
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WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDOUS WASTE
		DEPUTY WEIGHMASTER
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TRACTOR LICENSE NO.	BIN #	RECEIPT: #

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CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed of
35251 Old Skyline Road
Kettleman City, CA
NO: 178584

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

WEIGHT (LB) TIME	DATE	COMMODITY: HAZ	ZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Did Skyline Rood Kertleman City, CA
CROSS: Property of the February	11479 th 41.3	DEPUTY WEIGH	MASTER	NO: 178585
TARE:				This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
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GENERATOR	MANIFEST	PROFILE NO.		
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WEIGHT (LB) TIME	DATE		COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
			DEPUTY WEIGHMASTER	NO:
GROSS:				WEIGHMASTER CERTIFICATE
TARE: NET:	·			This is to certify that the following described commodity was weighed, measured, or counter by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
YARDAGE:				
GENERATOR	MANIFEST	PROFILE N	NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB) TIME DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS: 1999 - 4-16-60 - 210-60 15	40, 52 ton DEPUTY WEIGHMASTER	NO: 178587
TARE: 1878 CONTRACT DESIGNATION IS	i. 46 ton	WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code.
NET:	44/	administered by the Division of Measurement Standards of California Department of Food and Agriculture.
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TRACTOR LICENSE NO. BIN#	RECEIPT #	

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WEIGHT (LB) 1	TIME DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE: NET: YARDAGE:			WEIGHMASTER CERTIFICATE This is to certify that the following describe commodity was weighed, measured, or cour by a WEIGHMASTER, whose signature is an certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measuremen Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BiN #	RECEIPT #	
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WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDOUS WASTE
(# 14) (14) (# 07) CROSS:	Period 18	39, 29 ton DEPUTY WEIGHMASTER
'ARE:	(40 lb - 16.0)	ton .
(ARDAGE:		46212
GENERATOR	MANIFEST	PROFILE NO.
TRACTOR LICENSE NO.	BIN #	RECEIPT #
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Jun 1011 ECA

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of

WIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA 178596

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.

WEIGHT (LB)	TIME DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skylline Road Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
TARE:	-		by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
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	DEPUTY WEIGHMASTER	35251 Old Skyllne Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
MANIFEST	PROFILE NO.	
BIN #	RECEIPT #	
		MANIFEST PROFILE NO.

<u>WEIGHT (LB) T</u>	<u>IME</u> <u>DATE</u>	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			commodity was "weighed, measured, or counted by a WEIGHMASTER, whose signature is certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:			Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) TI GROSS: TARE: NET: YARDAGE:	ME DATE	COMMODITY: HAZARDOUS WAST DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized outhority of accuracy, as prescribed by CHAPTER 7 (commencing with \$ 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
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GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	



WEIGHT	(LB) TIN	<u>DATE</u>	COMMODITY: HAZARD		CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
CROSS: TARE: NET: YARDAGE:			DEPUTY WEIGHMAS:	TER	NO:
GENERATOR		MANIFEST	PROFILE NO.		
TRACTOR LICENSE	NO.	BIN #	RECEIPT #		

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skylline Rood Kettleman City, CA
GROSS:				NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
NET:				certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:				Standards of California Department of Food and Agriculture.
GENERATOR		MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.		BIN #	RECEIPT #	



WEIGHT (LB) TING GROSS:	AE DATE	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
NET:			administered by the Division of Measurement Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
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WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER Weighed of
GROSS:	(1758) [A (1955] \$cop	DEPUTY WEIGHMASTER	35251 Old Skyllne Rood Kettleman City, CA
HAREN	satu ib. Is. 24 ton		WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized outhorily of
NET:			accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR TRACTOR LICENSE NO.	MANIFEST	PROFILE NO.	
			•

WEIGHT (LB) I GROSS: TARE: NET: YARDAGE:	IME DATE	COMMODITY: HAZARDOUS WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized outhority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

<u>WEIGHT (LB) 1</u> GROSS:	IME DATE	. <u>COMMODITY: HAZARDOUS WASTE</u> DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
TARE: NET: YARDAGE:			WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized outhority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
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in the	A Section 1	
WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDOUS WASTE
4.1 ³	34040 15	42.02 ton DEPUTY WEIGHMASTER
CROSS:		
TARE:	40 lb 16.8	27 ton
NET:		
YARDAGE:		. 42 _ 4
GENERATOR	MANIFEST // / / / / / / / / / / / / / / / / /	PROFILE NO.
TRACTOR LICENSE NO.	BÍN #	RECEIPT #

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER Weighed of

35251 Old Skyline Road Kettleman City, CA

WEIGHMASTER CERTIFICATE

WEIGHMASTER CERTIFICATE
This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an thic certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

Continued Cont

WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDOUS WASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
	76160 Hb 35.08 for	DEPUTY WEIGHMASTER	NO: 178777
GROSS:			WEIGHMASTER CERTIFICATE
			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of
TARE:	rug sa ingaha ton in		accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
NET: 10. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	(a) 15 16.69 for 17		Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN#	RECEIPT #	
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Jan 162 Cold

WEIGHT (LB) TI	ME DATE	COMMODITY: HAZARDO	CHEMICAL WASTE MANAGEM WEIGHMASTER Weighed 35251 Old Skyline Ro Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			commodity was weighed, measur by a WEIGHMASTER, whose signa certificate, who is a recognized accuracy, as prescribed by CHAF (commencing with § 12700) of D the California Business & Protes administered by the Division of
YARDAGE:			Standards of California Department and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

ENT, INC. at pad

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wing described ired, or counted sture is on this authority of PTER 7 Division 5 of ssions Code, Measurement nent of Food

WEIGHT (LB)	<u>IME</u> <u>DATE</u>	COMMODITY: HAZARDO VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:			Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) TI	ME DATE	COMMODITY: HAZARDO VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Keitleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
			WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
TARE:			certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:	· · · · · · · · · · · · · · · · · · ·		the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
YARDAGE:			und Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) 1 GROSS:	<u>IME DATE</u>	COMMODITY: HAZARDO DEPUTY WEIGHMASTER	YASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA NO:
TARE: NET: YARDAGE:				This is to certify that the following described commodity was weighed, measured, or counted by a WeiGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) at Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB)	TIME	DATE	.'	COMMODITY: HAZARD	O' 'ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:				DEPUTY WEIGHMAST	TER	NO:
TARE:						This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
NET:						(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR		MANIFEST	 	PROFILE NO.		
TRACTOR LICENSE NO.		BIN #		RECEIPT #		
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WEIGHT (I	B) TIME	<u>DATE</u>	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	DMMODITY: HAZARDO DEPUTY WEIGHMASTER	<u> 312A</u> V	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
TARE: NET: YARDAGE:						WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR		MANIFEST	PROFILE NO.		,	
TRACTOR LICENSE NO	•	BIN #	RECEIPT #			
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<u>WEIGHT (LB) TI</u>	<u>ME</u> <u>DATE</u>	COMMODITY: HAZARDO' 'ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Cade.
YARDAGE:			administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) TIME	DATE	COMMODITY: HAZARDO'	' <u>ASTE</u>	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 0ld Skyline Road Kettleman City, CA
GROSS:			DEPUTY WEIGHMASTER	?	NO:
TARE:					This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
NET:					(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR		MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO		BIN #	RECEIPT #		

WEIGHT (LB) TI	ME DATE	COMMODITY: HAZARDO VASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted
TARE: NET: YARDAGE:			by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

GROSS: TARE: NET:	IME DATE	COMMODITY: HAZARDO' 'ASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
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WEIGHT (LB) TI	<u>ME</u> <u>Date</u>	COMMODITY: HAZARDO DEPUTY WEIGHMASTE		CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted
TARE:			<u> </u>	by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:				Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

<u>WEIGHT (LB) I</u>	IME DATE	COMMODITY: HAZA	ARDC VAS	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHM	ASTER	NO:
TARE:				This is to certify that the following described commodify was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code.
YARDAGE:				administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

DATE	COMMODITY: HAZARDO 'ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road Kettleman City, CA
	DEPUTY WEIGHMASTER	NO:WEIGHMASTER CERTIFICATE
		This is to certify that the following described commodity was weighed, measured, or counted by a WeiGhMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
		the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
MANIFEST	PROFILE NO.	
BIN #	RECEIPT #	
		MANIFEST PROFILE NO.

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDO	VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER		NO:
TARE:				commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:				Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDY	VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:			DEPUTY WEIGHMASTER		NO:
TARE:		· · · · · · · · · · · · · · · · · · ·			by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Protessions Code, administered by the Division of Measurement
YARDAGE:		· <u></u>			Standards of California Department of Food and Agriculture.
GENERATOR	MA	NIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	Bir	N #	RECEIPT #		

WEIGHT (LB) I GROSS: TARE: NET: YARDAGE:	IME DATE	COMMODITY: HAZARDO' WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO:
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) 1 GROSS:	TIME <u>DATE</u>	COMMODITY: HAZARDC 'ASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described
TARE:			commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) GROSS: TARE:	TIME DATE	<u>COMMODITY: HAZARDO'</u> DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of
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GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB)	TIME DATE	COMMODITY: HAZARDC	'ASTE CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:		DEPLTY WEIGHMASTER	NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted
TARE:			by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:		_ _	the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	



WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDC	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:		DEPUTY WEIGHMASTER		NO: WEIGHMASTER CERTIFICATE This is to certify that the following described
TARE:				commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code.
YARDAGE:				administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	Bin #	RECEIPT #		

WEIGHT (LB) 1	IME DATE	COMMODITY: HAZARDO' 4STE	WEIGHMASTER weighed at 35251 Old Skyline Road
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
NET:			(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	<u>IME</u> <u>DATE</u>	CON'MODITY: HAZARDC 'ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road
GROSS:		DEPUTY WEIGHMASTER	Kettleman City, CA
			WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed magnified or counted
TARE:			commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:			the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
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WEIGHT (LB)	TIME DATE	COMMODITY: HAZARDÇ	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at
GROSS:		DEPUTY WEIGHMASTER		35251 Old Skyline Road Kettleman City, CA
unuss.				WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted
TARE:				by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
YARDAGE:				administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDO ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:		DEPLTY WEIGHMASTER	Kettleman City, CA NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
YARDAGE:			administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

<u>WEIGHT (LB) T</u>	IME DATE	COMMODITY: HAZARDO'	'ASTE CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:			the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) I	IME DATE	COMMODITY: HAZARDO 4STE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA
TARE: NET: YARDAGE:		DEPLTY WEIGHMASTER	NO:
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDO 4	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35231 Old Skyline Road Kettleman City, CA
GROSS:		DEPLTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTZR 7 (commencing with § 12700) of Division 5 of
NET:			the California Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB)	IME DATE		COMMODITY:	HAZARDO	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA
GROSS:			DEPUTY W	VEIGHMASTER		NO:
TARE:						commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
YARDAGE:						administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PF	ROFILE NO.			
TRACTOR LICENSE NO.	BIN #	R	ECEIPT #			
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WEIGHT (LB)	IME DATE	COMMODITY: HAZARDO	ISTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road
GROSS:		DEPLTY WEIGHMASTER		NO:
TARE:			and the second s	WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7
NET:				(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB) I CROSS:	<u>IME DATE</u>	COMMODITY: HAZARDO DEPUTY WEIGHMASTER	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE
TARE: NET: YARDAGE:			July 100 Annual Control	This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a reaconized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) at Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		

WEIGHT (LB) TIM GROSS: TARE: NET: YARDAGE:	E DATE	DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Diwision 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

<u>WEIGHT (LB) T</u>	IME DATE	COMMODITY: HAZARDO'	<u>\STE</u>	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER		ио:
				WEIGHMASTER CERTIFICATE
TARE: NET: YARDAGE:				This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR				
GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #	<u>.</u>	
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WEIGHT (LB) TI GROSS: TARE: NET: YARDAGE:	ME DATE	COMMODITY: HAZARDO ASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WE	TIGHT (LB)	TIME	DATE	COMMODITY: HAZARDO'	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood Kettleman City, CA
GROSS:				DEPUTY WEIGHMASTER		NO:
TARE:						commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
YARDAGE:						administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
GENERATOR			MANIFEST	PROFILE NO.		
TRACTOR LICEN	ISE NO.		BIN #	RECEIPT #		

<u>W</u> E	EIGHT (LB)	TIME	DATE		COMMODITY	: HAZARDO'	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:					DEPUTY	WEIGHMASTER		NO:
TARE: NET:								commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
YARDAGE:								and Agriculture.
GENERATOR			MANIFEST	PRO	OFILE NO.			
TRACTOR LICE	NSE NO.		BIN #	RE	CEIPT #			

WEIGHT (LB)	TIME DATE	COMMODITY: HAZARDO VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Road
GROSS:		DEPUTY WEIGHMASTER	WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
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YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) TI GROSS: TARE: NET: YARDAGE:	ME DATE	COMMODITY: HAZARDC 'A	WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with \$12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) 1	TIME DATE	COMMODITY: HAZARDO	VASTE CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA
GROSS:		DEPLTY WEIGHMASTER	NO:
TARE: NET:			WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Colifornia Business & Professions Code, administered by the Division of Measurement Standards of Colifornia Department of Food and Agriculture.
YARDAGE:			
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) I	IME DATE	COMMODITY: HAZARD/ DEPLTY WEIGHMASTER	VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Keitleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described
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GENERATOR	MANIFEST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #	RECEIPT #		
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WEIGHT (LB) TIME DATE CROSS: TARE:		COMMODITY: HAZARD WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City. CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counter by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food
YARDAGE:			and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) TI	ME DATE	<u>COMMODITY: HAZARD WASTE</u>	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement
YARDAGE:			Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

GROSS:	TIME DATE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this	
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GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) 1	TIME DATE		COMMODITY:	HAZARD	MASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
GROSS:			DEPUTY	WEIGHMASTER		NO:
TARE:						This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
NET:						the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PRO	FILE NO.			
TRACTOR LICENSE NO.	BIN #	REC	CEIPT #			

<u>WEIGHT (LB) T</u>	IME DATE	COMMODITY: HAZARC W	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE: NET: YARDAGE:			commodity was weighed, measured, or count by a WEIGHMASTER, whose signature is an h certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
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TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) 1	TIME DATE	COMMODITY: HAZARD' Y	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
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GROSS:			DEPUTY WEIGHM	ASTER	NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this
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YARDAGE:					and Agriculture.
GENERATOR	MANIFE	EST	PROFILE NO.		
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YARDAGE:							Standards of California Department of Food and Agriculture.
GENERATO	R		MANIFEST	PROFILE	NO.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TRACTOR	LICENSE NO.		BiN #	RECEIPT #	#		

WEIGHT (LB) GROSS: TARE: NET: YARDAGE:	TIME DATE	COMMODITY: HAZARDO VASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
	MAINIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDC	VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road
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TRACTOR LICENSE NO.	BIN #	RECEIPT #		

		COMMODITY: HAZARDQ' VAŞTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:		DEPUTY WEIGHMASTER	NO:
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TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) T	IME DATE	COMMODITY: HAZARDO VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skylline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	NO:
TARE:			commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code.
YARDAGE:			administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB)	TIME DATE	COMMODITY: HAZARDO VASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road
CROSS:		DEPUTY WEIGHMASTER	NO: WEIGHMASTER CERTIFICATE
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WEIGHT (LB) T CROSS: TARE: NET: YARDAGE:	IME DATE	COMMODITY: HAZARDO VASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counte by a WEIGHMASTER, whose signature is on thi certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
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WEIGHT (LB) I GROSS: TARE: NET: YARDAGE:	IME DATE	COMMODITY: HAZARDOI' WASTE DEPUTY WEIGHMASTER	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	

<u>we</u>	IGHT (LB)	TIME	DATE		COMMODITY: HAZARDO	ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road
GROSS:					DEPUTY WEIGHMAST	ER	NO:
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TRACTOR LICEN	SE NO.		BIN #	RECEIP	PT #		

WEIGHT (LB) GROSS:	TIME DATE	COMMODITY: HAZARD DEPUTY WEIGHMASTER	/ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA
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TRACTOR LICENSE NO.	BIN #	RECEIPT #		

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GROSS:					DEPUTY WEIGHMASTER		35251 Old Skyllne Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE
TARE:							This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized outhority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of
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TRACTOR L	ICENSE NO.		BIN #	RECEIP	PT #		

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARD	/ASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Rood
GROSS:			DEPUTY WEIGHMASTER		Kettleman City, CA NO: WEIGHMASTER CERTIFICATE
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NET:					(commencing with § 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
GENERATOR	MANIF	EST	PROFILE NO.		
TRACTOR LICENSE NO.	BIN #		RECEIPT #		
Lance Control of the					

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WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDI	IASTE	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skyline Rood
GROSS:			DEPUTY WEIGHMASTER		NO:
TARE:					commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is an this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Code,
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CROSS:				•	DEPUTY WE	IGHMASTER		NO:
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GENERATOR	8	A	IANIFEST	PRO	OFILE NO.			
TRACTOR	LICENSE NO.	E	BIN #	RE	CEIPT #			

<u>WEIGHT (LB) I</u>	IME DATE	COMMODITY: HAZARDO	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed of 35251 Old Skylline Rood Kettleman City, CA
GROSS:		DEPUTY WEIGHMASTER	
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TRACTOR LICENSE NO.	BIN #	RECEIPT #	

WEIGHT (LB) I	IME DATE	<u>COMMODITY: HAZARDI</u> DEPUTY WEIGHMASTER	<u>'ASTE</u>	CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyline Road Kettleman City, CA NO: WEIGHMASTER CERTIFICATE
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TARE:				commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the California Business & Professions Cade
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WEIGHT (LB)	TIME DATE	COMMODITY: HAZARC	WASTE CHEMICAL WASTE MANAGEMENT, INC. WEIGHMASTER weighed at 35251 Old Skyllne Road
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GROSS:		DEPUTY WEIGHMASTER		NO:
NET:				accuracy, as prescribed by CHAPTER 7 (commencing with § 12700) of Division 5 of the Callfornia Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.
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TRACTOR LICENSE NO.	BIN #	RECEIPT #		

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GENERATOR	MANIFEST	PROFILE NO.	
TRACTOR LICENSE NO.	BIN #	RECEIPT #	
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APPENDIX B

LABORATORY ANALYSES AND CHAIN-OF-CUSTODY RECORDS



ANALYTICS, INC.

225 Commerce Drive ♦ Fort Collins, CO 80524 ♦ (800) 443-1511 ♦ (970) 490-1511 ♦ FAX (970) 490-1522

September 25, 2002

Mr. Todd Wilson Cape Environmental 2211 Peoples Road, Suite A Bellevue, NB 68005

RE:

Paragon Workorder: 02-08-148

Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001

Dear Mr. Wilson:

Twenty nine soil samples were received from Cape Environmental, Inc. on August 27, 2002. The samples were scheduled for the following analyses:

PCBs

pages 1-39

Pesticides

pages 1-10

Herbicides

pages 1-9

GC/MS Volatiles

pages 1-24

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics. Inc. Should you have any questions, please call.

Sincerely.

Paragon Analytics, Inc.

Ken Campbell

Project Manager

KDC/mc

Enclosure: Report

SEP 2 0 2002

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0208148

Client Name: Cape Environmental
Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001 Client PO Number: 00314P014

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
W01-A-03	0208148-1	!	SOIL	8/23/02	15:00
W02-A-03	0208148-2		SOIL	8/23/02	15:10
W03-A-03	0208148-3		SOIL	8/23/02	15:16
W04-A-03	0208148-4		SOIL	8/23/02	15:25
W05-A-03	0208148-5		SOIL	8/23/02	15:34
W06-A-03	0208148-6		SOIL	8/23/02	15:45
F07-A-04	0208148-7		SOIL	8/23/02	15:56
F08-A-04	0208148-8		SOIL	8/23/02	16:05
F09-C-04	0208148-9		SOIL	8/23/02	16:15
W10-A-03	0208148-10		SOIL	8/23/02	16:29
W11-A-03	0208148-11		SOIL	8/23/02	16:36
W12-A-03	0208148-12		SOIL	8/23/02	16:45
W-13A-03	0208148-13		SOIL	8/23/02	16:55
W-14A-03	0208148-14		SOIL	8/23/02	17:04
W-15A-03	0208148-15		SOIL	8/23/02	17:15
W-16A-03	0208148-16		SOIL	8/23/02	17:23
W-17A-03	0208148-17		SOIL	8/23/02	17:34
W-18A-03	0208148-18		SOIL	8/23/02	17:45
W-19A-03	0208148-19		SOIL	8/23/02	17:54
W19C-03	0208148-20		SOIL	8/23/02	18:05
W20A-03	0208148-21		SOIL	8/23/02	18:14
W21A-03	0208148-22		SOIL	8/23/02	18:25
F22A-04	0208148-23		SOIL	8/23/02	18:34
F23A-04	0208148-24		SOIL	8/23/02	18:45
W24-A-03	0208148-25		SOIL	8/23/02	18:54
W25-C-03	0208148-26		SOIL	8/23/02	19:05
W26-A-03	0208148-27		SOIL	8/23/02	19:15
RA12B.BACKFILL	0208148-28		SOIL	8/26/02	
RA12B.BACKFILL	0208148-29		SOIL	8/26/02	

Date Printed: Tuesday, August 27, 2002

C 22546 CAPE ENVIRONMENTAL Page \angle Of $\underline{3}$ LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Sent Results To: Project Name: ANALYSES REQUESTED emoval O=Other Site Address/Location: ueneme 8020 BTEX 8015 Full Range Carbon Speciation CAPE Environmental Method 808 Normal 2823 McGaw Avenue Project No./P.O. No.: Irvine, CA 92614 Z Ph (949) 474-3090 Project Manager: Fx (949) 474-3091 Turnaround Time - R=Rush FPH-gasoline Sampler (Printed Name): TPH-diesel Sampler Signature: Attn: 8015-d SAMPLE REMARKS No. Of DATE TIME Comp. Grab Container SAMPLE ID Matrix Pres. Containers Type **INSTRUCTIONS** 8-300 PM G Ĝ G M/15/2 N (= Ğ N Ĝ ~~ 3 G 23-CL PM G N 10 Ġ Relinquished By Signature Printed Name: Company: Special Remarks: Date: Time: Sample Conditions Received on Ice Company: Printed Name: Time: Received By Yes No 0115 COC Seal Relinquished By: (Signature) Yes No Printed Name: Company: Date: Time: Received By. (Signature) Received Intact Yes No

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0208148 C 22517 CAPE ENVIRONMENTAL Page <u>2</u> Of <u>3</u> LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Project Name: Sent Results To: ANALYSES REQUESTED 0=Other 8012 Site Address/Location: TUENTHE 8015 Full Range Carbon Speciation CAPE Environmental N=Normal 2823 McGaw Avenue Project No./P.O. No.: 6003 Irvine, CA 92614 Ph (949) 474-3090 Project Manager: TUSENOW (947)474-3090 Fx (949) 474-3091 TPH-gasoline Sampler (Printed Name): 8015-d TPH-diesel Z 1 cion d Turnaround Time -Sampler Signature: 8020 BTEX Attn: \propto LOCATION SAMPLE REMARKS No. Of SAMPLE ID DATE TIME Com. Container Grab Matrix Pres. **DESCRIPTION** Containers Type **INSTRUCTIONS** RA 1213-SO+ W-13A-03 5 2 RA 1213 - Sotw-144-03 RA12B-50-W-15A-03 5 RAIL 13-50+W-16A-03 5 RAIZIS -SO-W-17A-03 5 5 RA1213 - SO - W-18A-03 6 RA1213 - SO- W-190-03 6 RA12B-50 - W19C-03 6 MS-MSD RA1213 -50 - W20A-03 - W21A-03 5 RAIZB -SO RA1213-SO - F22A-64 6 F23A-04 RA12 B Relinquished By: (Signature) Printed Name: Date: Time: Sample Conditions Special Remarks: Sicula Received on Ice ompany: Date: Time: Received By: (Signature) Yes No COC Seal Relinquished By: (Signature) Yes No

Company:

Date:

Time:

Received Intact Yes No

Printed Name:

13

Received By. (Signature)

0208148 C 22547 **CAPE ENVIRONMENTAL** Page <u>5</u> Of <u>3</u> LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Sent Results To: Project Name: ANALYSES REQUESTED emoval Action O=Other Site Address/Location: Hueneme 8015 Full Range Carbon Speciation CAPE Environmental N=Normal 2823 McGaw Avenue Project No./P.O. No.: 26003,1002.001 Irvine, CA 92614 Ph (949) 474-3090 Project Manager: NuseNOW 947 474 3090 R=Rush Fx (949) 474-3091 FPH-gasoline Sampler (Printed Name): TPH-diesel Turnaround Time -Sampler Signature: 8020 BTEX 찡 Attn: 8015-d SAMPLE REMARKS No. Of DATE TIME Gom Container SAMPLE ID Matrix Containers Type **INSTRUCTIONS** 25 8-23-02 6 BackFill Pecenia IV Back Fill Pacenti 10 Printed Name: Relinquished By: (Signature) Company: Date: Special Remarks: Time: Sample Conditions Received on Ice Company: Date: Time: Received By (Signature) Yes No 0925 COC Seal Relinquished By: (Signature) Yes No Printed Name: Company: Date: Time: Received By. (Signature) Received Intact Yes No

C 22528 CAPE ENVIRONMENTAL Page ___ Of ___ LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Project Name: SWDW Removal Action
Site Address/Location: 1213 Post Hueneme Sent Results To: **ANALYSES REQUESTED** O=Other CAPE Environmental Speciation Project No./P.O. No.: 2003 002 001 N=Normal 2823 McGaw Avenue Irvine, CA 92614 Matt NoseNow 947 474 3090 ame): Randy Siangla Ph (949) 474-3090 Project Manager: 8015 Full Range Carbon Fx (949) 474-3091 R=Rush FPH-gasoline Sampler (Printed Name): 8015-d TPH-diesel Turnaround Time -Sampler Signature: 8020 BTEX Attn: SAMPLE REMARKS No. Of Container SAMPLE ID DATE TIME Comp. Grab Matrix Pres. **DESCRIPTION** Containers Type **INSTRUCTIONS** RAIZB Back F.11 Poy 5 ÍV 5 8 9 10 Relinquished By: (Signature) Printed Name: Special Remarks: Sample Conditions Received on Ice Received By (Signature) Yes No COC Seal Relinquished By: (Signature) Yes No Printed Name: Company: Date: Time: Received Intact Received By. (Signature) Yes No

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Cape Env. WORKORDER NO: 0208148							
PROJECT MANAGER: <u>Ken Campbell</u> INITIALS: <u>(hv</u> DATE: <u>8</u> /	24/02						
1. Does this project require any special handling in addition to standard Paragon procedures?	Yes	No					
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)	Yes	No					
2. Are custody seals on shipping containers intact? How many custody seals N/A are provided?	Yes	No					
3. Are the custody seals on sample containers intact? N/A	Yes	No					
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?							
5. Is the COC complete? N/A	Yes	(No)					
Relinquished: Yes No Analyses Requested: Yes No							
6. Is the COC in agreement with the samples received?	Yes	(No)					
No. of Samples: YesNo Sample ID's: YesNo							
Matrix: Yes ✓ No_ No. of Containers: Yes ✓ No_							
7. Were COC (if applicable) and sample labels legible?	Yes	No					
8. Were airbills present and/or removable? N/A	Yes	No					
9. Are all aqueous samples requiring chemical preservation preserved correctly (N/A (excluding volatile organics)?	Yes	No					
Are all aqueous non-preserved samples at the correct pH?	Yes	No					
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?							
1. Are all samples within holding times for the requested analyses? Yes							
2. Were all sample containers received intact? (not broken or leaking, etc.)							
3. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: < green pea; > green pea							
(List sample IDs and affected containers on Page 2)							
14. Were samples checked for and free from the presence of residual chlorine? N/A	Yes	No					
15. Were the sample(s) shipped on ice? N/A	(Yes')	No					
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used 12 N/A	(Yes)	No					
7. Were all samples cooled that should have been cooled? N/A (Yes)							
Cooler #'s 1 Temperature 2° Project Manager Signature / Date:	No	° C					
A NO DESPONSE TO ANY OUESTION EXCEPT # 1 DECUMDES THE COMPLETION OF DACE		IC EODM					

IR Gun #1 (original): Raytek, SN SC-PM3/T29403 IR Gun #2 (newer): Oakton, SN 2SCIR1201

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT:	Cape	EAV.	WORE	KORDER NO: <i>O</i> _	208148
PROJECT M	IANAGER: _	Ken Can	mbell IN	ITIALS: D	ATE: 8/24/02
No Cha Number Aqueor SVOC Sampler Insuffi Extract Broker No and Incorr VOAs, Airbill	ain-of-Custod er of samples us samples contacts received at cient sample tion or analytim/leaking bot alyses request ect sample ty reactive CN/s not present a	y (COC) prese on the COC do of preserved co ained residual inappropriate to perform requal cal holding tin tles and intact leted. The received. S, radon not he and/or removables.	of shipping contained nt. o not match the number rectly (see pH dischlorine (list sample temperature), uested analyses, nes expired in transportations received in adspace free (list sample).	er or on sample contain mber of samples receiv scussion below). ole IDs and affected co	ners). ved. ontainers below). ted sample IDs below).
Other (Describe disc	describe belo	w).		.,	,
of San Sample Sample Sample piece intact be foo Was the clien	# 0208148 # 0208148 of glass h jar n white	been designed 19 (1019). 8-19 (1019). 6-21 (1020) 10 (1010). MISS. 29 due to due to [No;	Marted to A): Bottle la A): Bottle la A): Sample From botton large moisture Xes: Name Ta	bel ID missi bel ID missi E jar received side of jar re content	b for PCB analysis of letters 50. of letter A with quarter 5124 Sample remained out moisture could havelyse per clark. Date/Time 8-26-02/~1330
				prior consent of P as ≥ 16 hr before ans	roject Manager. After pH alysis.
Sample ID	Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time
				1	
	No;	Yes (see notes	above).	of any samples yiel	ding the presence of residual

Paragon Analytics, Inc. -- Fort Collins, Colorado CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: _	Cape-	EAV	WORI	KORDER NO:	208148
PROJECT	MANAGER:	Ken Can	sphell IN	ITIALS: <u>(h</u>) DA	ATE: 8/24/02
No C Num Aque SVO Samp Insut Extra Brok No a Incom VOA Airb	thain-of-Custo ber of samples cous samples on C samples con cles received a fficient sample action or analy ten/leaking bot analyses reque rrect sample to s, reactive CN tills not present	dy (COC) prese es on the COC do to preserved contained residual at inappropriate e to perform required holding time titles and intact lested. Type received. Type received.	nt. o not match the numerrectly (see pH dichlorine (list samptemperature. uested analyses. nes expired in transpottles received in	ole IDs and affected cor	ed. ntainers below). ed sample IDs below). d vials below).
Other Describe dis	r (describe bel screpancy:	ow).			
· CoC	sharp etween p was sign and dail	acked be	on bottom	of cucler and top. Medted cl.	taped over with ere packed with I loose ice ice water has but Campan, ate/Time 8-26 02/~1350
				No;Yes (see 7	
				prior consent of Press ≥ 16 hr before ana	roject Manager. After pH lysis.
Sample 1	D Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time
chlorine?	No;	Yes (see notes			ding the presence of residual

Page 7 of 13

Page 7 of 192

Paragon Analytics, Inc. -- Fort Collins, Colorado CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: WORKORDER NO: 0208/48							
PROJECT MANAGER: Ken Campbell INITIALS: (4) DATE: 8/27/02							
Does this project require any special handling in addition to standard Paragon procedures?	Yes	(No)					
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.) Yes							
2. Are custody seals on shipping containers intact? How many custody seals N/A Yes No are provided?							
3. Are the custody seals on sample containers intact?	Yes	No					
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?	Yes	No					
5. Is the COC complete? N/A	(Yes)	No					
Relinquished: YesNo Analyses Requested: YesNo							
6. Is the COC in agreement with the samples received? N/A	Yes	No					
No. of Samples: Yes Vo_ Sample ID's: Yes Vo_							
Matrix: Yes No No. of Containers: Yes No	***************************************						
7. Were COC (if applicable) and sample labels legible?	Yes	No					
8. Were airbills present and/or removable? N/A	(Yes)	No					
9. Are all aqueous samples requiring chemical preservation preserved correctly (N/A) (excluding volatile organics)?	Yes	No					
Are all aqueous non-preserved samples at the correct pH?	Yes	No					
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?	Yes	No					
1. Are all samples within holding times for the requested analyses? (Yes) No							
2. Were all sample containers received intact? (not broken or leaking, etc.) Yes No							
3. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: < green pea; > green pea							
(List sample IDs and affected containers on Page 2)							
14. Were samples checked for and free from the presence of residual chlorine? N/A	Yes	No					
15. Were the sample(s) shipped on ice? N/A	(Yes)	No					
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used*: 12 N/A	Yes	No					
17. Were all samples cooled that should have been cooled? N/A	(Yes)	No					
Cooler #'s (Temperature 2 b Project Manager Signature / Date: AND DESPONSE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE AND DESPONSE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE AND DESPONSE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE AND DESPONSE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE TO ANY OUESTION OF THE PACE TO ANY OUESTION EXCEPT # 1 DECLUDES THE COMPLETION OF PACE TO ANY OUESTION OF THE PACE		° C					
A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE	5 Z OF LH	19 LOKM					

* IR Gun #1 (original): Raytek, SN SC-PM3/T29403 IR Gun #2 (newer): Oakton, SN 2SCIR1201

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: COR CAR WORKORDER NO: CARSINS								
PROJECT MANAGER: Kin Can bill INITIALS: (4) DATE: 5/21/02								
Custody seals broken (on outside of shipping container or on sample containers). No Chain-of-Custody (COC) present. Number of samples on the COC do not match the number of samples received. Aqueous samples not preserved correctly (see pH discussion below). SVOC samples contained residual chlorine (list sample IDs and affected containers below). Samples received at inappropriate temperature. Insufficient sample to perform requested analyses. Extraction or analytical holding times expired in transit. Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below). No analyses requested. Incorrect sample type received. VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below). Airbills not present and/or removable (record applicable shipper's tracking number below). Other (describe below).								
Samp notice	Describe discrepancy: Sample RA12B Backfull: Riceived 2 sample jairs with noticably different moisture content. Sample jairs were labeled as follows: 0208148-28 = Drier sample Sent to VGA Lab 0208148-29 = Wetter sample sent to Extractions Lab							
Was the	client c	contacted?	No; _ _	Yes: Name Ta	d Wilson Da	ate/Time 8-27-02		
					No; Yes (see T			
NOTE:	_	•			prior consent of Pres ≥ 16 hr before anal	oject Manager. After pH ysis.		
Sampl		Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time		
chlorine?	•	No;	Yes (see notes	•		ling the presence of residual		
	,							

	FEGURES USA Airbill Feder 834708876100 Express	Form 0200	**
į	1 From NEW PERSON NEW	4a Express Package Service	Packages up to 150 lbs. Dalinary commitment may be fairn in some areas.
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: : :	Sender's Randy Siwula Phone 817 4208085	FedEx 2Day Second husbuless day FedEx Express Saver Third business day FedEx Express Saver Third business day FedEx Express Saver	
	Company CARTE Environment	Ab Europe Freight Service	Packages over 150 lbs. Delivery commitment may be later in some areas.
-		FedEx 1Day Freight* FedEx 2Day Freight Next business day FedEx 2Day Freight Second business day	FedEx 3Day Freight Third business day
_ !	Address Deat Floor/Suite Brown	* Coll for Confirmation:	
		5 Packaging	* Declared value limit \$500
1	City Waltergas State 1/ ZIP60085	FedEx Envelope* FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak	Other
	2 Your Internal Billing Réference	6 Special Handling Health teleproper	
1840	3 To Recipient's Recipient Recip	Available only for Fedex Principly Ose shirts shipment contain dangerous gnods? Does this shipment contain dangerous gnods?	HOLD Saturday at FedEx Location Available only for FedEx Proncy Overnight and FedEx 20ay to salect locations
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		†Our liability is limited to \$100 unless you declare a higher value. See b	
		By signing you authorize as to deliver this schemary eathour obtaining agrant By signing you authorize as to deliver this schemant without obtaining a and agree to indemnify and held us names from any costituing claims. Questions? Visit our Web site at fedex.com or call 1800 Go Fedex. 804.83.339. io. Dis. No. 19 (1994) and 1800 (1994) and 200 (1994) and 1800 (1994).	sepature 446
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edex, USA Airbill 1000 a 34708875456	Form 0200
Express rom Date 8 - 2 0 - 2	4a Express Package Service Packages up to 150 lbs. Delivery cogniminant may be later in some areas. FedEx Priority Overnight Next business morning FedEx Priority Overnight Next business morning FedEx Priority Overnight Next business morning Gelivery to select incadions
Sender's Fan Mane Phone	FedEx 2Day Second business day Tring business day FedEx Envirope rate not available, Minimum charges One-bound rate
COMPANY CAPETALIPONAMENTES MENT.	4b Express Freight Service Packages over 150 lbs. FedEx 1Day Freight* FedEx 2Day Freight FedEx 3Day Freight Next business day FedEx 3Day Freight Call for Confirmation:
City ()+61. State 7. ZIP 60095	5 Packaging FedEx Envelope* FedEx Small Palv. FedEx Large Pack Surrly Pack Includes FedEx Small Palv. FedEx Large Pack, and FedEx Sturrly Pack
Your Internal Billing Reference To Recipient's Phone To YGU-1511	Secial Handling SATURDAY Delivery Available control FacEx Priority Openting and FedEx Donary to select ZIP codes Does this shipment contain dangerous goods? The priority of the priority of
Address O HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. bioxos or P.O. 2IP codes.	No Yes Simpler's Declaration Poly Ice Dry Ice Dry Ice Dry Ice Dry Ice Dry Ice Supports Declaration Poly Ice Dr
Address City FOR + Coff, J. State J. ZIP J. State See See See See See See See See See S	Total Packages Total Weight Total Declared Value† S



Paragon Analytics, Inc.

PCBs Case Narrative

Cape Environmental

SW DIV Removal Action – 26003.002.001

Order Number - 0208148

- 1. This report consists of 28 soil samples. The samples were received cool and intact by Paragon on 08/24/2002 and 08/27/2002.
- 2. These samples were extracted and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil samples were extracted using soxhlet procedures according to Paragon Analytics, Inc. Standard Operating Procedure 625 Revision 6 based on Method 3540C. The extracts were then processed using sulfuric acid cleanup according to Paragon Analytics, Inc. Standard Operating Procedure 651 Revision 5 based on Method 3665A in an attempt to remove potential interferences. The extracts from samples 4, 19, 20, and associated QC were also processed using sulfur cleanup according to Paragon Analytics, Inc. Standard Operating Procedure 634 Revision 3 based on Method 3660B in an attempt to remove potential interferences.
- 3. The extracts were then analyzed using GC/ECD (electron capture detectors) with an RTX-CLPesticides capillary column according to Paragon Analytics Standard Operating Protocol 409 Revision 1 based on SW-846 Method 8082. All positive results were then confirmed on an RTX-CLPesticidesII column. The quantitation of each analyte is the higher of the concentrations obtained from each column that met initial and continuing calibration criteria.
- 4. All initial and continuing calibration criteria were met with the following exceptions:

Continuing calibration 1254 090302-4CCV – tetrachloro-m-xylene was out high on column 1.

Continuing calibration 1254 090902-4CCV – tetrachloro-m-xylene was out high on column 1.

Quantitation for each analyte was reported from the column that passed initial and continuing calibration criteria.

- 5. The method blanks associated with this project were below the MDL for all analytes.
- 6. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.
- 7. Matrix spike and matrix spike duplicate, 21MS and 21MSD, were not analyzed due to the high concentration of target analytes in the native sample. All other matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Aroclor 1260	20MS & 20MSD	Low

The recoveries of this compound in the laboratory control spike and laboratory control spike duplicate were within control limits, which suggest that the outlier in the matrix spikes may have been due to matrix effects. No further action was warranted. Laboratory control spike and laboratory control spike duplicate results have been included.

- 8. All samples were extracted and analyzed within the established holding times.
- 9. Surrogate recoveries could not be reported for samples 21, 25, 26, or 27 due to sample dilutions. All other surrogate recoveries were within acceptance criteria.
- 10. Samples 2, 4, 5, 6, 18, 21, 25, 26, and 27 were analyzed at dilutions in order to bring target analytes within the calibration range of the instrument. The reporting limits have been adjusted accordingly.
- Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

For Robin Smith 9/17/02
Dan Sheneman
GC Analyst

Part of Part

Reviewer's Initials

09-12-02

Paragon Analytics, Inc. Data Qualifier Flags Chromatography and Mass Spectrometry

U or ND: This flag indicates that the compound was analyzed for but not detected.

J: This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.

B: This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.

E: This flag identifies compounds whose concentration exceeds the upper level of the calibration range.

A: This flag indicates that a tentatively identified compound is a suspected aldolcondensation product.

X: This flag indicates that the analyte was diluted below an accurate quantitation level.

*: This flag indicates that a spike recovery is equal to or outside the control criteria used.

+: This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0208148

Client Name: Cape Environmental
Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001 Client PO Number: 00314P014

W02-A-03 0208148-2 SOIL 8/23/02 15:10 W03-A-03 0208148-3 SOIL 8/23/02 15:16 W04-A-03 0208148-4 SOIL 8/23/02 15:25 W05-A-03 0208148-5 SOIL 8/23/02 15:34 W06-A-03 0208148-6 SOIL 8/23/02 15:45 F07-A-04 0208148-7 SOIL 8/23/02 15:56 F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:45 W-15A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 020	Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
W03-A-03 0208148-3 SOIL 8/23/02 15:16 W04-A-03 0208148-4 SOIL 8/23/02 15:25 W05-A-03 0208148-5 SOIL 8/23/02 15:34 W06-A-03 0208148-6 SOIL 8/23/02 15:45 F07-A-04 0208148-7 SOIL 8/23/02 15:56 F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:36 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-13 SOIL 8/23/02 17:04 W-15A-03 0208148-14 SOIL 8/23/02 17:15 W-16A-03 0208148-15 SOIL 8/23/02 17:34 W-17A-03 02	W01-A-03	0208148-1		SOIL	8/23/02	15:00
W04-A-03 0208148-4 SOIL 8/23/02 15:25 W05-A-03 0208148-5 SOIL 8/23/02 15:34 W06-A-03 0208148-6 SOIL 8/23/02 15:45 F07-A-04 0208148-7 SOIL 8/23/02 15:56 F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:36 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:34 W-17A-03 0208148-16 SOIL 8/23/02 17:34 W-18A-03 0208148-17 SOIL 8/23/02 17:45 W-19A-03 0	W02-A-03	0208148-2		SOIL	8/23/02	15:10
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W06-A-03 0208148-6 SOIL 8/23/02 15:45 F07-A-04 0208148-7 SOIL 8/23/02 15:56 F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-13 SOIL 8/23/02 17:04 W-15A-03 0208148-14 SOIL 8/23/02 17:15 W-16A-03 0208148-15 SOIL 8/23/02 17:23 W-17A-03 0208148-16 SOIL 8/23/02 17:34 W-19A-03 0208148-18 SOIL 8/23/02 17:54 W19C-03 0208148-29 SOIL 8/23/02 18:05 W20A-03 0	W04-A-03	0208148-4		SOIL	8/23/02	15:25
F07-A-04 0208148-7 SOIL 8/23/02 15:56 F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-13 SOIL 8/23/02 17:04 W-15A-03 0208148-14 SOIL 8/23/02 17:15 W-16A-03 0208148-15 SOIL 8/23/02 17:23 W-17A-03 0208148-16 SOIL 8/23/02 17:34 W-18A-03 0208148-17 SOIL 8/23/02 17:54 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03	W05-A-03	0208148-5		SOIL	8/23/02	15:34
F08-A-04 0208148-8 SOIL 8/23/02 16:05 F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:23 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:54 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03	W06-A-03	0208148-6		SOIL	8/23/02	15:45
F09-C-04 0208148-9 SOIL 8/23/02 16:15 W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:23 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-23 SOIL 8/23/02 18:34 F23A-04	F07-A-04	0208148-7		SOIL	8/23/02	15:56
W10-A-03 0208148-10 SOIL 8/23/02 16:29 W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:34 W-17A-03 0208148-17 SOIL 8/23/02 17:45 W-19A-03 0208148-18 SOIL 8/23/02 17:54 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:34 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-25 SOIL 8/23/02 18:54 W24-A-03 0	F08-A-04	0208148-8		SOIL	8/23/02	16:05
W11-A-03 0208148-11 SOIL 8/23/02 16:36 W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 17:04 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:34 W-17A-03 0208148-17 SOIL 8/23/02 17:45 W-19A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:34 F22A-04 0208148-23 SOIL 8/23/02 18:45 W24-A-03 0208148-24 SOIL 8/23/02 18:45 W25-C-03 0208148-25 SOIL 8/23/02 19:05 W26-A-03	F09-C-04	0208148-9		SOIL	8/23/02	16:15
W12-A-03 0208148-12 SOIL 8/23/02 16:45 W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:34 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:54 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 RA12B.BACKFILL	W10-A-03	0208148-10		SOIL	8/23/02	16:29
W-13A-03 0208148-13 SOIL 8/23/02 16:55 W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:23 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:34 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W11-A-03	0208148-11		SOIL	8/23/02	16:36
W-14A-03 0208148-14 SOIL 8/23/02 17:04 W-15A-03 0208148-15 SOIL 8/23/02 17:15 W-16A-03 0208148-16 SOIL 8/23/02 17:23 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W12-A-03	0208148-12		SOIL	8/23/02	16:45
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W-16A-03 0208148-16 SOIL 8/23/02 17:23 W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 18:05 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W-14A-03	0208148-14		SOIL	8/23/02	17:04
W-17A-03 0208148-17 SOIL 8/23/02 17:34 W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:54 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W-15A-03	0208148-15		SOIL	8/23/02	17:15
W-18A-03 0208148-18 SOIL 8/23/02 17:45 W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W-16A-03	0208148-16		SOIL	8/23/02	17:23
W-19A-03 0208148-19 SOIL 8/23/02 17:54 W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W-17A-03	0208148-17		SOIL	8/23/02	17:34
W19C-03 0208148-20 SOIL 8/23/02 18:05 W20A-03 0208148-21 SOIL 8/23/02 18:14 W21A-03 0208148-22 SOIL 8/23/02 18:25 F22A-04 0208148-23 SOIL 8/23/02 18:34 F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 19:05 W25-C-03 0208148-26 SOIL 8/23/02 19:15 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W-18A-03	0208148-18		SOIL	8/23/02	17:45
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F23A-04 0208148-24 SOIL 8/23/02 18:45 W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W21A-03	0208148-22		SOIL	8/23/02	18:25
W24-A-03 0208148-25 SOIL 8/23/02 18:54 W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	F22A-04	0208148-23		SOIL	8/23/02	18:34
W25-C-03 0208148-26 SOIL 8/23/02 19:05 W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	F23A-04	0208148-24		SOIL	8/23/02	18:45
W26-A-03 0208148-27 SOIL 8/23/02 19:15 RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W24-A-03	0208148-25		SOIL	8/23/02	18:54
RA12B.BACKFILL 0208148-28 SOIL 8/26/02	W25-C-03	0208148-26		SOIL	8/23/02	19:05
	W26-A-03	0208148-27		SOIL	8/23/02	19:15
RA12B.BACKFILL 0208148-29 SOIL 8/26/02	RA12B.BACKFILL	0208148-28		SOIL	8/26/02	THROUGH I AND THE ENGINEER AND ADDRESS OF THE ADDRE
	RA12B.BACKFILL	0208148-29		SOIL	8/26/02	

Method SW8082 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020828-2MB

Sample Matrix: SOIL % Moisture: N/A **Prep Batch:** EX020828-2 **QCBatchID:** EX020828-2-1

Sample Aliquot: 30 G Final Volume: 10 ML

Date Collected: N/A

Run ID: PT020903-1

Result Units: UG/KG

Date Extracted: 08/28/2002 **Date Analyzed:** 09/03/2002

Cleanup: SW3665 Basis: N/A Clean DF: 1 File Name: EA008670

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	33	33	U	
11104-28-2	AROCLOR-1221	1	67	67	U	
11141-16-5	AROCLOR-1232	1	33	33	U	
53469-21-9	AROCLOR-1242	1	33	33	U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
12672-29-6	AROCLOR-1248	1	33	33	U	
11097-69-1	AROCLOR-1254	1	33	33	U	
11096-82-5	AROCLOR-1260	1	33	33	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.5		16.7	93	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.4		16.7	98	51 - 123

Data Package ID: PT0208148-1

000005

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W01-A-03 Lab ID: 0208148-1 Sample Matrix: SOIL % Moisture: 9.1

Date Collected: 23-Aug-02
Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30.01 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1 File Name: EA008673

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	37	37	U	
11104-28-2	AROCLOR-1221	1	73	73	U	
11141-16-5	AROCLOR-1232	1	37	37	U	
53469-21-9	AROCLOR-1242	1	37	37	U	
12672-29-6	AROCLOR-1248	1	37	37	U	
11097-69-1	AROCLOR-1254	1	37	37	U	
11096-82-5	AROCLOR-1260	1	37	37	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.6		18.3	85	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.3		18.3	89	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W02-A-03

Sample Matrix: SOIL % Moisture: 10.8 Lab ID: 0208148-2

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02

Date Analyzed: 04-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G 10 ML

Final Volume: Result Units: UG/KG

> Clean DF: File Name: EA008699

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	5	190	190	U	
11104-28-2	AROCLOR-1221	5	370	370	U	
11141-16-5	AROCLOR-1232	5	190	190	U	
53469-21-9	AROCLOR-1242	5	190	190	U	
12672-29-6	AROCLOR-1248	5	190	190	U	
11097-69-1	AROCLOR-1254	5	190	190	U	
11096-82-5	AROCLOR-1260	5	780	190		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	13.9		18.7	74	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	17		18.7	91	51 - 123

Data Package ID: PT0208148-1

Date Printed: Thursday, September 12, 2002

LIMS Version: 3.104

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W03-A-03 Lab ID: 0208148-3 Sample Matrix: SOIL % Moisture: 4.4

Date Collected: 23-Aug-02
Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G 10 ML

Final Volume: 10 M Result Units: UG/KG Clean DF: 1

File Name: EA008675

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	35	35	U	
11104-28-2	AROCLOR-1221	1	70	70	U	
11141-16-5	AROCLOR-1232	1	35	35	U	
53469-21-9	AROCLOR-1242	1	35	35	U	
12672-29-6	AROCLOR-1248	1	35	35	U	
11097-69-1	AROCLOR-1254	1 1	35	35	U	
11096-82-5	AROCLOR-1260	1	35	35	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	14.3		17.4	82	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.8		17.4	96	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W05-A-03

Lab ID: 0208148-5

Sample Matrix: SOIL

% Moisture: 11.6

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02

Date Analyzed: 04-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1

Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: Final Volume:

10 ML

30 G

Result Units: UG/KG Clean DF:

File Name: EA008700

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	5	190	190	U	
11104-28-2	AROCLOR-1221	5	380	380	U	
11141-16-5	AROCLOR-1232	5	190	190	U	
53469-21-9	AROCLOR-1242	5	190	190	U	
12672-29-6	AROCLOR-1248	5	190	190	U	
11097-69-1	AROCLOR-1254	5	190	190	U	
11096-82-5	AROCLOR-1260	5	610	190		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.8		18.9	84	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.2		18.9	97	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W06-A-03

Sample Matrix: SOIL % Moisture: 15.8 Lab ID: 0208148-6

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF:

File Name: EA008751

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	2	79	79	U	
11104-28-2	AROCLOR-1221	2	160	160	U	
11141-16-5	AROCLOR-1232	2	79	79	U	
53469-21-9	AROCLOR-1242	2	79	79	U	
12672-29-6	AROCLOR-1248	2	79	79	U	
11097-69-1	AROCLOR-1254	2	79	79	U	
11096-82-5	AROCLOR-1260	2	320	79		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.3		19.8	77	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.4		19.8	93	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: F07-A-04

Lab ID: 0208148-7

Sample Matrix: SOIL

% Moisture: 25.7

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30.01 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF:

File Name: EA008679

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	45	45	U	
11104-28-2	AROCLOR-1221	1	90	90	U	
11141-16-5	AROCLOR-1232	1	45	45	U	
53469-21-9	AROCLOR-1242	1	45	45	U	
12672-29-6	AROCLOR-1248	1	45	45	U	
11097-69-1	AROCLOR-1254	1	45	45	U	
11096-82-5	AROCLOR-1260	1	45	45	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	18		22.4	80	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	19.8		22.4	88	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: F08-A-04

Lab ID: 0208148-8

Sample Matrix: SOIL

% Moisture: 13.2

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1 Run ID: PT020903-1

Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G

Final Volume: 10 ML Result Units: UG/KG

> Clean DF: File Name: EA008682

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	38	38	U	
11104-28-2	AROCLOR-1221	1	77	77	U	
11141-16-5	AROCLOR-1232	1	38	38	U	
53469-21-9	AROCLOR-1242	1	38	38	U	
12672-29-6	AROCLOR-1248	1	38	38	U	
11097-69-1	AROCLOR-1254	1	38	38	U	
11096-82-5	AROCLOR-1260	1	21	38	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	13.2		19.2	69	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.3		19.2	96	51 - 123

Data Package ID: PT0208148-1

Date Printed: Thursday, September 12, 2002

Paragon Analytics Inc. LIMS Version: 3.104

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Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: F09-C-04 Lab ID: 0208148-9 Sample Matrix: SOIL % Moisture: 13.6

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1 Run ID: PT020903-1

Cleanup: SW3665 Basis: Dry Weight Sample Aliquot:

30 G 10 ML

Final Volume: Result Units: UG/KG Clean DF: 1 File Name: EA008683

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	39	39	U	name of the control o
11104-28-2	AROCLOR-1221	1	77	77	U	
11141-16-5	AROCLOR-1232	1	39	39	U	
53469-21-9	AROCLOR-1242	1 1	39	39	U	
12672-29-6	AROCLOR-1248	1	39	39	U	
11097-69-1	AROCLOR-1254	1	39	39	U	
11096-82-5	AROCLOR-1260	1	39	39	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.4		19.3	80	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.8		19.3	98	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W10-A-03

Lab ID: 0208148-10

Sample Matrix: SOIL

% Moisture: 14.3

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1 File Name: EA008684

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	39	39	U	
11104-28-2	AROCLOR-1221	1	78	78	U	
11141-16-5	AROCLOR-1232	1	39	39	U	
53469-21-9	AROCLOR-1242	1	39	39	U	
12672-29-6	AROCLOR-1248	1	39	39	U	
11097-69-1	AROCLOR-1254	1	39	39	U	
11096-82-5	AROCLOR-1260	1	5.7	39	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.3		19.4	84	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.8		19.4	97	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W11-A-03

Lab ID: 0208148-11

Sample Matrix: SOIL

% Moisture: 18.4

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 03-Sep-02 Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1 File Name: EA008685

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	41	41	U	
11104-28-2	AROCLOR-1221	1	82	82	U	
11141-16-5	AROCLOR-1232	1	41	41	U	
53469-21-9	AROCLOR-1242	1	41	41	U	
12672-29-6	AROCLOR-1248	1	41	41	U	
11097-69-1	AROCLOR-1254	1	41	41	U	
11096-82-5	AROCLOR-1260	1	41	41	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	17.7		20.4	87	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	20.4		20.4	100	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W12-A-03

Lab ID: 0208148-12

Sample Matrix: SOIL

% Moisture: 15.4

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

10 ML Final Volume:

Result Units: UG/KG Clean DF:

File Name: EA008686

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	39	39	U	
11104-28-2	AROCLOR-1221	1	79	79	U	
11141-16-5	AROCLOR-1232	1	39	39	U	
53469-21-9	AROCLOR-1242	1	39	39	U	
12672-29-6	AROCLOR-1248	1	39	39	U	
11097-69-1	AROCLOR-1254	1	39	39	U	
11096-82-5	AROCLOR-1260	1	39	39	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	17.3		19.7	88	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	19.7		19.7	100	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-13A-03

Lab ID: 0208148-13

Sample Matrix: SOIL

% Moisture: 15.7

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30.01 G

10 ML Final Volume:

Result Units: UG/KG Clean DF: 1

File Name: EA008687

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	40	40	U	
11104-28-2	AROCLOR-1221	1	79	79	U	
11141-16-5	AROCLOR-1232	1	40	40	U	
53469-21-9	AROCLOR-1242	1	40	40	U	
12672-29-6	AROCLOR-1248	1	40	40	U	
11097-69-1	AROCLOR-1254	1	40	40	U	
11096-82-5	AROCLOR-1260	1	40	40	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.6		19.8	84	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	19		19.8	96	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-14A-03

Lab ID: 0208148-14

Sample Matrix: SOIL

% Moisture: 19.7

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G

10 ML Final Volume:

Result Units: UG/KG Clean DF:

File Name: EA008688

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	42	42	U	
11104-28-2	AROCLOR-1221	1	83	83	U	
11141-16-5	AROCLOR-1232	1	42	42	U	
53469-21-9	AROCLOR-1242	1	42	42	U	
12672-29-6	AROCLOR-1248	1	42	42	U	
11097-69-1	AROCLOR-1254	1 3	42	42	U	
11096-82-5	AROCLOR-1260	1	42	42	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	18.7		20.8	90	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	20.5		20.8	99	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-15A-03

Lab ID: 0208148-15

Sample Matrix: SOIL

% Moisture: 7

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 03-Sep-02 Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30.01 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1

File Name: EA008689

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	36	36	υ	
11104-28-2	AROCLOR-1221	1	72	72	U	
11141-16-5	AROCLOR-1232	1	36	36	U	
53469-21-9	AROCLOR-1242	1	36	36	U	
12672-29-6	AROCLOR-1248	1	36	36	U	
11097-69-1	AROCLOR-1254	1	36	36	U	
11096-82-5	AROCLOR-1260	1	36	36	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.1		17.9	90	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18		17.9	100	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-16A-03

Sample Matrix: SOIL

% Moisture: 5.4 QCBatchID: EXC

Prep Batch: EX020828-2 QCBatchID: EX020828-2-1 Sample Aliquot: Final Volume:

30 G

Lab ID: 0208148-16

Date Collected: 23-Aug-02

Run ID: PT020903-1

Final Volume: 10
Result Units: UG/KG

10 ML

Date Extracted: 28-Aug-02

Cleanup: SW3665

Clean DF:

Date Analyzed: 03-Sep-02

Basis: Dry Weight

File Name: EA008690

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	35	35	U	
11104-28-2	AROCLOR-1221	1	70	70	U	
11141-16-5	AROCLOR-1232	1	35	35	U	
53469-21-9	AROCLOR-1242	1	35	35	U	
12672-29-6	AROCLOR-1248	1	35	35	U	
11097-69-1	AROCLOR-1254	1	35	35	U	
11096-82-5	AROCLOR-1260	1	9.4	35	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.9		17.6	90	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	17.7		17.6	100	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-17A-03

Lab ID: 0208148-17

Sample Matrix: SOIL

% Moisture: 10.2

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 03-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020903-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G

10 ML Final Volume:

Result Units: UG/KG Clean DF: 1 File Name: EA008691

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	37	37	U	
11104-28-2	AROCLOR-1221	1	74	74	U	The second secon
11141-16-5	AROCLOR-1232	1	37	37	U	
53469-21-9	AROCLOR-1242	1	37	37	U	
12672-29-6	AROCLOR-1248	1	37	37	U	
11097-69-1	AROCLOR-1254	1	37	37	U	Andrews (March 1 to a Miller Street Andrews Andrews Co. 1 to 1 and
11096-82-5	AROCLOR-1260	1	37	37	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	17.2		18.6	92	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.6		18.6	100	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-18A-03

Lab ID: 0208148-18

Sample Matrix: SOIL

% Moisture: 13.7

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 09-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30.01 G

Final Volume:

10 ML

Result Units: UG/KG Clean DF:

File Name: EA008752

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	5	190	190	U	
11104-28-2	AROCLOR-1221	5	390	390	U	
11141-16-5	AROCLOR-1232	5	190	190	U	
53469-21-9	AROCLOR-1242	5	190	190	U	
12672-29-6	AROCLOR-1248	5	190	190	U	
11097-69-1	AROCLOR-1254	5	190	190	U	
11096-82-5	AROCLOR-1260	5	500	190		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.4	,	19.3	80	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	19		19.3	99	51 - 123

Method SW8082 **Method Blank**

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020828-2MBRR1

Sample Matrix: SOIL

Prep Batch: EX020828-2

Sample Aliquot:

30 G

1

% Moisture: N/A

QCBatchID: EX020828-2-1

Final Volume: 10 ML

Run ID: PT020909-1

Result Units: UG/KG

Date Collected: N/A

Date Extracted: 08/28/2002

Cleanup: SW3665, SW3660

Clean DF:

Date Analyzed: 09/09/2002

Basis: N/A

File Name: EA008753

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	33	33	U	
11104-28-2	AROCLOR-1221	1	67	67	U	
11141-16-5	AROCLOR-1232	1	33	33	U	
53469-21-9	AROCLOR-1242	1	33	33	U	
12672-29-6	AROCLOR-1248	1	33	33	U	
11097-69-1	AROCLOR-1254	1	33	33	U	
11096-82-5	AROCLOR-1260	1	33	33	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.1		16.7	91	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.8		16.7	101	51 - 123

Data Package ID: PT0208148-1

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Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W04-A-03

Lab ID: 0208148-4

Sample Matrix: SOIL % Moisture: 5.7

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1 Cleanup: SW3665, SW3660

Basis: Dry Weight

Final Volume:

30 G

Sample Aliquot: 10 ML Result Units: UG/KG

Clean DF: File Name: EA008756

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	2	71	71	U	
11104-28-2	AROCLOR-1221	2	140	140	U	
11141-16-5	AROCLOR-1232	2	71	71	U	
53469-21-9	AROCLOR-1242	2	71	71	U	Marie Wall of Land
12672-29-6	AROCLOR-1248	2	71	71	U	
11097-69-1	AROCLOR-1254	2	71	71	U	
11096-82-5	AROCLOR-1260	2	220	71		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	12.1		17.7	69	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	14.9		17.7	85	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W-19A-03

Lab ID: 0208148-19

Sample Matrix: SOIL

% Moisture: 9.4

Date Collected: 23-Aug-02 Date Extracted: 28-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1

Cleanup: SW3665, SW3660

Basis: Dry Weight

Sample Aliquot:

30 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF:

File Name: EA008757

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	37	37	U	
11104-28-2	AROCLOR-1221	1	74	74	U	
11141-16-5	AROCLOR-1232	1	37	37	U	
53469-21-9	AROCLOR-1242	1	37	37	U	
12672-29-6	AROCLOR-1248	1	37	37	U	
11097-69-1	AROCLOR-1254	1	37	37	U	
11096-82-5	AROCLOR-1260	1	160	37		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	14.5		18.4	79	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.5		18.4	90	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W19C-03

Lab ID: 0208148-20

Sample Matrix: SOIL

% Moisture: 21.3 Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 09-Sep-02 Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1 Cleanup: SW3665, SW3660

Basis: Dry Weight

Sample Aliquot:

30 G Final Volume: 10 ML

Result Units: UG/KG Clean DF:

File Name: EA008760

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	42	42	U	
11104-28-2	AROCLOR-1221	1	85	85	U	Annual control of the
11141-16-5	AROCLOR-1232	1	42	42	U	
53469-21-9	AROCLOR-1242	1	42	42	U	
12672-29-6	AROCLOR-1248	1	42	42	U	
11097-69-1	AROCLOR-1254	1	42	42	U	
11096-82-5	AROCLOR-1260	1	160	42		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	17.4		21.2	82	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	19.5		21.2	92	51 - 123

Data Package ID: PT0208148-1

Method SW8082 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020829-2MB

Sample Matrix: SOIL % Moisture: N/A

Prep Batch: EX020829-2 QCBatchID: EX020829-2-1 Sample Aliquot:

30 G 10 ML

Date Collected: N/A

Final Volume:

Run ID: PT020909-1

Result Units: UG/KG

Date Extracted: 08/29/2002

Cleanup: SW3665

Clean DF:

Date Analyzed: 09/09/2002

Basis: N/A

File Name: EA008736

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	33	33	U	
11104-28-2	AROCLOR-1221	1	67	67	U	
11141-16-5	AROCLOR-1232	1	33	33	U	
53469-21-9	AROCLOR-1242	1	33	33	U	Annual Control of the
12672-29-6	AROCLOR-1248	1	33	33	U	
11097-69-1	AROCLOR-1254	1	33	33	U	
11096-82-5	AROCLOR-1260	1	33	33	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.5		16.7	93	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	15.9		16.7	95	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W20A-03 Lab ID: 0208148-21 Sample Matrix: SOIL
% Moisture: 7.2

Date Collected: 23-Aug-02 Date Extracted: 29-Aug-02 Date Analyzed: 09-Sep-02 Prep Batch: EX020829-2 QCBatchID: EX020829-2-1

Run ID: PT020909-1
Cleanup: SW3665
Basis: Dry Weight

Sample Aliquot: 29.99 G Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1 File Name: EA008763

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	20	720	720	U	
11104-28-2	AROCLOR-1221	20	1400	1400	U	
11141-16-5	AROCLOR-1232	20	720	720	U	
53469-21-9	AROCLOR-1242	20	720	720	U	
12672-29-6	AROCLOR-1248	20	720	720	U	
11097-69-1	AROCLOR-1254	20	720	720	U	
11096-82-5	AROCLOR-1260	20	2700	720		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL		X	18		33 - 143
877-09-8	TETRACHLORO-M-XYLENE		Х	18		51 - 123

Data Package ID: PT0208148-2

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Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W21A-03

Lab ID: 0208148-22

Sample Matrix: SOIL % Moisture: 4.1

Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020909-1 Cleanup: SW3665

Basis: Dry Weight

30 G Sample Aliquot:

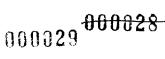
10 ML Final Volume:

Result Units: UG/KG Clean DF: File Name: EA008742

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	35	35	U	
11104-28-2	AROCLOR-1221	1	70	70	U	
11141-16-5	AROCLOR-1232	1	35	35	υ	
53469-21-9	AROCLOR-1242	1	35	35	U	
12672-29-6	AROCLOR-1248	1	35	35	U	
11097-69-1	AROCLOR-1254	1	35	35	U	
11096-82-5	AROCLOR-1260	1	35	35	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	13.3		17.4	77	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.4		17.4	94	51 - 123



Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: F22A-04

Lab ID: 0208148-23

Sample Matrix: SOIL

% Moisture: 15.6

Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020909-1

Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30 G 10 ML

Final Volume: Result Units: UG/KG

Clean DF: File Name: EA008743

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	39	39	U	
11104-28-2	AROCLOR-1221	1	79	79	U	
11141-16-5	AROCLOR-1232	1	39	39	U	
53469-21-9	AROCLOR-1242	1	39	39	U	
12672-29-6	AROCLOR-1248	1	39	39	U	
11097-69-1	AROCLOR-1254	1	39	39	U	
11096-82-5	AROCLOR-1260	1	7.9	39	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16		19.7	81	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.7		19.7	95	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: F23A-04

Lab ID: 0208148-24

Sample Matrix: SOIL

% Moisture: 10

Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 09-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020909-1 **Cleanup:** SW3665

Basis: Dry Weight

Sample Aliquot: 29.99 G

Final Volume: 10 ML Result Units: UG/KG

Clean DF: 1
File Name: EA008744

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	37	37	U	
11104-28-2	AROCLOR-1221	1	74	74	U	
11141-16-5	AROCLOR-1232	1	37	37	U	
53469-21-9	AROCLOR-1242	1	37	37	U	
12672-29-6	AROCLOR-1248	1	37	37	U	
11097-69-1	AROCLOR-1254	1	37	37	U	
11096-82-5	AROCLOR-1260	1	22	37	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15.5		18.5	84	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	17.4		18.5	94	51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W24-A-03

Lab ID: 0208148-25

Sample Matrix: SOIL % Moisture: 8.1

Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 10-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020909-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 29.98 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1

File Name: EA008764

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	20	730	730	U	Vi del regionale
11104-28-2	AROCLOR-1221	20	1500	1500	U	
11141-16-5	AROCLOR-1232	20	730	730	U	
53469-21-9	AROCLOR-1242	20	730	730	U	
12672-29-6	AROCLOR-1248	20	730	730	U	
11097-69-1	AROCLOR-1254	20	730	730	U	
11096-82-5	AROCLOR-1260	20	2100	730		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	E b	X	18.1		33 - 143
877-09-8	TETRACHLORO-M-XYLENE		X	18.1		51 - 123

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W25-C-03

Lab ID: 0208148-26

Sample Matrix: SOIL

% Moisture: 11.2

Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 11-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020911-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 2

29.96 G

Final Volume: 10 ML

Result Units: UG/KG
Clean DF: 1
File Name: EA008768

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	60	2300	2300	U	
11104-28-2	AROCLOR-1221	60	4500	4500	U	
11141-16-5	AROCLOR-1232	60	2300	2300	U	
53469-21-9	AROCLOR-1242	60	2300	2300	U	
12672-29-6	AROCLOR-1248	60	2300	2300	U	
11097-69-1	AROCLOR-1254	60	2300	2300	U	
11096-82-5	AROCLOR-1260	60	6900	2300		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL		X	18.8		33 - 143
877-09-8	TETRACHLORO-M-XYLENE		Х	18.8		51 - 123

Data Package ID: PT0208148-2

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W26-A-03

Lab ID: 0208148-27

Sample Matrix: SOIL

% Moisture: 12.2 Date Collected: 23-Aug-02

Date Extracted: 29-Aug-02

Date Analyzed: 11-Sep-02

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020911-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot:

30.01 G

10 ML Final Volume:

Result Units: UG/KG Clean DF: 1

File Name: EA008769

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	20	760	760	U	
11104-28-2	AROCLOR-1221	20	1500	1500	U	
11141-16-5	AROCLOR-1232	20	760	760	U	
53469-21-9	AROCLOR-1242	20	760	760	U	
12672-29-6	AROCLOR-1248	20	760	760	U	
11097-69-1	AROCLOR-1254	20	760	760	U	
11096-82-5	AROCLOR-1260	20	3100	760		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL		Х	19		33 - 143
877-09-8	TETRACHLORO-M-XYLENE		Х	19		51 - 123

Data Package ID: PT0208148-2

Method SW8082 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

Lab ID: 0208148-29

Sample Matrix: SOIL

% Moisture: 18.7

Date Collected: 26-Aug-02

Date Extracted: 29-Aug-02 Date Analyzed: 09-Sep-02 Prep Batch: EX020829-2

QCBatchID: EX020829-2-1

Run ID: PT020909-1 Cleanup: SW3665

Basis: Dry Weight

Sample Aliquot: 30.04 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1

File Name: EA008750

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
12674-11-2	AROCLOR-1016	1	41	41	U	
11104-28-2	AROCLOR-1221	1	82	82	υ	
11141-16-5	AROCLOR-1232	1	41	41	U	
53469-21-9	AROCLOR-1242	1	41	41	U	
12672-29-6	AROCLOR-1248	1	41	41	U	
11097-69-1	AROCLOR-1254	1	41	41	U	
11096-82-5	AROCLOR-1260	1	41	41	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	15	<u></u> -	20.5	73	33 - 143
877-09-8	TETRACHLORO-M-XYLENE	18.3		20.5	90	51 - 123

Data Package ID: PT0208148-2

Date Printed: Thursday, September 12, 2002

Method SW8082

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020828-2LCS

Sample Matrix: SOIL

Prep Batch: EX020828-2

Sample Aliquot:

30 G

% Moisture: N/A

QCBatchID: EX020828-2-1

10 ML

Date Collected: N/A

Final Volume:

Result Units: UG/KG

Run ID: PT020903-1

Date Extracted: 08/28/2002

Cleanup: SW3665

Clean DF:

Date Analyzed: 09/03/2002

Basis: N/A

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
12674-11-2	AROCLOR-1016	167	140	33.3		84	41 - 138%
11096-82-5	AROCLOR-1260	167	130	33.3		78	61 - 131%

Lab ID: EX020828-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
12674-11-2	AROCLOR-1016	167	139	33.3	84		0	20
11096-82-5	AROCLOR-1260	167	132	33.3	79		2	20

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.7	91		91		33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.7	98		98		51 - 123

Data Package ID: PT0208148-1

Date Printed: Thursday, September 12, 2002

Paragon Analytics Inc. LIMS Version: 3.104

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Method SW8082

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020828-2LCSRR1

Sample Matrix: SOIL % Moisture: N/A

Date Collected: N/A Date Extracted: 08/28/2002

Date Analyzed: 09/09/2002

Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1 Cleanup: SW3665, SW3660

Sample Aliquot:

30 G 10 ML

Final Volume: Result Units: UG/KG

Clean DF:

Basis: N/A

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
12674-11-2	AROCLOR-1016	167	141	33.3		85	41 - 138%
11096-82-5	AROCLOR-1260	167	129	33.3		77	61 - 131%

Lab ID: EX020828-2LCSDRR1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
12674-11-2	AROCLOR-1016	167	142	33.3	85	10 to 10 to	0	20
11096-82-5	AROCLOR-1260	167	130	33.3	78		1	20

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.7	91		90		33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.7	98		99		51 - 123

Method SW8082 Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: W19C-03

LabID: 0208148-20MS

Sample Matrix: SOIL % Moisture: 21.3

Date Collected: 23-Aug-02

Date Extracted: 28-Aug-02 Date Analyzed: 09-Sep-02 Prep Batch: EX020828-2

QCBatchID: EX020828-2-1

Run ID: PT020909-1

Cleanup: SW3665, SW3660

Basis: Dry Weight

Sample Aliquot: 30 G

Final Volume: 10 ML Result Units: UG/KG

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
12674-11-2	AROCLOR-1016	42	U	184		42.4	212	87	41 - 138%
11096-82-5	AROCLOR-1260	160		232	*	42.4	212	36	61 - 131%

MSD Lab ID: 0208148-20MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
12674-11-2	AROCLOR-1016	212	206		42.4	97	11	50
11096-82-5	AROCLOR-1260	212	227	*	42.4	34	2	50

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	21.2	84		84		33 - 143
877-09-8	TETRACHLORO-M-XYLENE	21.2	95		92		51 - 123

Data Package ID: PT0208148-1

Date Printed: Thursday, September 12, 2002

Paragon Analytics Inc.
LIMS Version: 3.104

Page 1 of 1

Method SW8082

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020829-2LCS

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A
Date Extracted: 08/29/2002

Date Analyzed: 09/09/2002

Prep Batch: EX020829-2

QCBatchID: EX020829-2-1 Run ID: PT020909-1

> Cleanup: SW3665 Basis: N/A

Sample Aliquot:

30 G

Final Volume: 10 ML Result Units: UG/KG

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
12674-11-2	AROCLOR-1016	167	141	33.3		85	41 - 138%
11096-82-5	AROCLOR-1260	167	138	33.3		83	61 - 131%

Lab ID: EX020829-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
12674-11-2	AROCLOR-1016	167	147	33.3	88	CO. Transcriptor	4	20
11096-82-5	AROCLOR-1260	167	143	33.3	86		4	20

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.7	91		94		33 - 143
877-09-8	TETRACHLORO-M-XYLENE	16.7	97		101		51 - 123



Paragon Analytics, Inc.

Herbicides Case Narrative

Cape Environmental

SW DIV Removal Action – 26003.002.001

Order Number - 0208148

- 1. This report consists of 1 soil sample. The sample was received cool and intact by Paragon on 08/27/2002.
- 2. The sample was extracted according to SW-846, 3rd Edition procedures. Specifically, the soil sample was extracted using soxhlet procedures according to Paragon Analytics, Inc. Standard Operating Procedure 664 Revision 3 based on Method 8151A.
- 3. The extracts were then analyzed using GC/ECD (electron capture detectors) with an RTX-CLPesticides capillary column according to Paragon Analytics, Inc. Standard Operating Procedure 434 Revision 5 based on SW-846 Method 8151A. All positive results were then confirmed on an RTX-CLPesticides II column. The quantitation of each analyte is the higher of the concentrations obtained from each column that met initial and continuing calibration criteria.
- 4. All initial and continuing calibration criteria were met with the following exceptions:
 - Initial calibration verification dinoseb was out high on column 1. Dichloroprop was out low on column 2.
 - Quantitation for each analyte was reported from the column that passed initial and continuing calibration criteria.
- 5. The method blank associated with this project was below the MDL for all analytes.
- 6. All laboratory control spike and laboratory control spike duplicate criteria were met with the following exceptions:

Spiked Compound	QC Sample	Direction
2,4-D	EX020904-4LCS	Low
2,4-D	EX020904-4LCS & EX020904-4LCSD	RPD
Silvex	EX020904-4LCS &	RPD
2,4,5-T	EX020904-4LCSD EX020904-4LCS & EX020904-4LCSD	RPD

Since the recoveries for silvex and 2,4,5-T in the laboratory control spike and laboratory control spike duplicate were within control limits, with only the RPD exceeding acceptance criteria, quantitations of these target compounds were not compromised. No further action was taken. NCR #4290 has been included for the low recovery of 2,4-D in the laboratory control spike.

- 7. All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria.
- 8. The sample was extracted and analyzed within the established holding times.
- 9. All surrogate recoveries were within acceptance criteria.
- Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Dan Sheneman GC Analyst Date

Reviewer's Initials

<u>09-18-02</u> Date

Paragon Analytics, Inc. Data Qualifier Flags Chromatography and Mass Spectrometry

U or ND: This flag indicates that the compound was analyzed for but not detected.

J: This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.

B: This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.

E: This flag identifies compounds whose concentration exceeds the upper level of the calibration range.

A: This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.

X: This flag indicates that the analyte was diluted below an accurate quantitation level.

*: This flag indicates that a spike recovery is equal to or outside the control criteria used.

+: This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0208148

Client Name: Cape Environmental
Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001 Client PO Number: 00314P014

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
	0208148-1		SOIL	8/23/02	15:00
W01-A-03 W02-A-03	0208148-2		SOIL	8/23/02	15:10
	0208148-3		SOIL	8/23/02	15:16
W03-A-03	0208148-4		SOIL	8/23/02	15:25
W04-A-03	0208148-5		SOIL	8/23/02	15:34
W05-A-03	0208148-6		SOIL	8/23/02	15:45
W06-A-03	0208148-7		SOIL	8/23/02	15:56
F07-A-04	0208148-8		SOIL	8/23/02	16:05
F08-A-04	0208148-9		SOIL	8/23/02	16:15
F09-C-04	0208148-10		SOIL	8/23/02	16:29
W10-A-03	0208148-11		SOIL	8/23/02	16:36
W11-A-03			SOIL	8/23/02	16:45
W12-A-03	0208148-12		SOIL	8/23/02	16:55
W-13A-03			SOIL	8/23/02	17:04
W-14A-03	0208148-14		SOIL	8/23/02	17:15
W-15A-03	0208148-15		SOIL	8/23/02	17:23
W-16A-03	0208148-16		SOIL	8/23/02	17:34
W-17A-03	0208148-17		SOIL	8/23/02	17:45
W-18A-03	0208148-18		SOIL	8/23/02	17:54
W-19A-03	0208148-19		SOIL	8/23/02	18:05
W19C-03	0208148-20		SOIL	8/23/02	
W20A-03	0208148-21		SOIL	8/23/02	
W21A-03	0208148-22		SOIL	8/23/02	
F22A-04	0208148-23	A COLUMN TO SERVICE AND A COLU		8/23/02	
F23A-04	0208148-24		SOIL	8/23/02	
W24-A-03	0208148-25		SOIL	8/23/02	
W25-C-03	0208148-26		SOIL		
W26-A-03	0208148-27		SOIL	8/23/02	
RA12B.BACKFILL	0208148-28	and the second s	SOIL	8/26/02	
RA12B.BACKFILL	0208148-29		SOIL	8/26/02	

Method SW8151 **Method Blank**

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020904-4MB

Sample Matrix: SOIL % Moisture: N/A

Date Collected: N/A

Date Extracted: 09/04/2002 Date Analyzed: 09/13/2002 Prep Batch: EX020904-4

QCBatchID: EX020904-4-1

Run ID: PT020913-3

Cleanup: NONE Basis: N/A

Sample Aliquot:

30 G 10 ML Final Volume:

Result Units: UG/KG Clean DF: File Name: HB002923

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-99-0	DALAPON	1	130	130	U	
1918-00-9	DICAMBA	1	6.7	6.7	U	
93-65-2	MCPP	1	3300	3300	U	
94-74-6	MCPA	1	3300	3300	U	
120-36-5	DICHLOROPROP	1	33	33	U	
94-75-7	2,4-D	1	33	33	U	
93-72-1	SILVEX	1	3.3	3.3	U	
93-76-5	2,4,5-T	1	3.3	3.3	U	
94-82-6	2,4-DB	1	33	33	U	
88-85-7	DINOSEB	1	33	33	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
	2,4-DICHLOROPHENYLACETIC ACID	51.9		66.7	78	40 - 114

Method SW8151 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

Lab ID: 0208148-29

Sample Matrix: SOIL
% Moisture: 18.7

Date Collected: 26-Aug-02 Date Extracted: 04-Sep-02

Date Analyzed: 13-Sep-02

Prep Batch: EX020904-4

QCBatchID: EX020904-4-1

Run ID: PT020913-3 Cleanup: NONE

Basis: Dry Weight

Sample Aliquot:

30 G 10 ML

Final Volume: 10 Ml Result Units: UG/KG Clean DF: 1

File Name: HB002926

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-99-0	DALAPON	1	160	160	U	
1918-00-9	DICAMBA	1	8.2	8.2	U	
93-65-2	MCPP	1	4100	4100	U	
94-74-6	MCPA	1	4100	4100	U	
120-36-5	DICHLOROPROP	1	41	41	U	
94-75-7	2,4-D	1	41	41	U	
93-72-1	SILVEX	1	4.1	4.1	U	
93-76-5	2,4,5-T	1	4.1	4.1	U	
94-82-6	2,4-DB	1	41	41	U	
88-85-7	DINOSEB	1	41	41	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
	2,4-DICHLOROPHENYLACETIC ACID	79.9		82	97	40 - 114

Method SW8151

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020904-4LCS

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A
Date Extracted: 09/04/2002
Date Analyzed: 09/13/2002

Prep Batch: EX020904-4
QCBatchID: EX020904-4-1

Run ID: PT020913-3 Cleanup: NONE

Basis: N/A

Sample Aliquot: 30 G

Final Volume: 10 ML
Result Units: UG/KG

Clean DF: 1

Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
24-D	83.3	17.9	33.3	J*	21	32 - 131%
	8.33	5.84	3.33		70	46 - 128%
		6.85	3 33		82	43 - 139%
	2,4-D SILVEX	2,4-D 83.3	2,4-D 83.3 17.9 SILVEX 8.33 5.84	Added Result Limit 2,4-D 83.3 17.9 33.3 SILVEX 8.33 5.84 3.33	2,4-D 83.3 17.9 33.3 J*	2,4-D 83.3 17.9 33.3 J* 21 SILVEX 8.33 5.84 3.33 70

Lab ID: EX020904-4LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
94-75-7	2,4-D	83.3	74.2	33.3	89	+	122	20
	SILVEX	8.33	9.99	3.33	120	+	52	20
93-72-1			8.9	3.33	107	+	26	20
93-76-5	2,4,5-T	8.33	8.9	3.33]			

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
	2,4-DICHLOROPHENYLACETIC ACID	66.7	81		106		40 - 114

Method SW8151 Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

Sample Matrix: SOIL % Moisture: 18.7 LabID: 0208148-29MS Date Collected: 26-Aug-02

Date Extracted: 04-Sep-02 Date Analyzed: 13-Sep-02 Prep Batch: EX020904-4

QCBatchID: EX020904-4-1

Run ID: PT020913-3 Cleanup: NONE

Basis: Dry Weight

30 G Sample Aliquot:

10 ML

Final Volume: Result Units: UG/KG

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
94-75-7	2,4-D	41	U	87.3		41	103	85	32 - 131%
93-72-1	SILVEX	4.1	U	11.3		4.1	10.3	110	46 - 128%
93-76-5	2,4,5-T	4.1	U	10.7		4.1	10.3	105	43 - 139%

MSD Lab ID: 0208148-29MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
94-75-7	2,4-D	103	103		41	101	17	20
93-72-1	SILVEX	10.3	10.5		4.1	102	7	20
93-76-5	2,4,5-T	10.3	10.5		4.1	103	2	20

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
	2,4-DICHLOROPHENYLACETIC ACID	82	105		105		40 - 114

Data Package ID: PT0208148-4

Date Printed: Wednesday, September 18, 2002

Paragon Analytics Inc. LIMS Version: 3.106

Page 1 of 1

Paragon Analytics, Inc. NON-CONFORMANCE REPORT

Initiated by Distribution Date Initiated O9-17-02	Method/Procedure 8151 Work Orders Affected 0208148
	Clients <u>Cape</u> -ENV.
SECTION I TYPE OF EVENT 1. Spike Surrogate / IS / Tracer Criteria Not Met 2. Calibration Criteria Not Met (ICAL, ICV, CCV) 3. Lab Contamination 4. Method Requirements Not Met (HTV, MB, DER) 5. Equipment Failure 6. Deviation from QAP, SOP, Method, DQO 7. Data resubmission (hc, edd, narrative, letter) 8. Client complaint 9. Other Client Contacted? (Y/N): Name: Toesd	SPECIFY: 2,4-D outside low of control limits for Exozogo4-4LCS. Supposed recovery as well as silvex + 2,4,5-T were within control limits for this sample. The LCSD, MS, MSD and CCVS passed criteria. Supposales passed in all samples associated withis w.O. (-29, -29ms, -29ms). The hold time for -29 expired on 9-9-02. Wilson (lettersep) Date: 9-17-02 Time: 1615
SECTION II CORRECTIVE ACTION 1. Submit for Re-Extraction 2. Recalibrate 3. Re-analyze 4. Return to Vendor/Reject 5. Resubmit data 6. Retrain 7. Document in Narrative 8. Other: Approved by	Initial date prepared, Page # Date for Rework, Page # Submitted by Received by Outcome of Re-analysis Approved by
SECTION IV DISPOSITION (Use as is) Report + Namate per cliente	Reject Repair
SIGNATURES: Approved by Verification of Disposition QA Department Approval COPIES: Project Managen Operations	Date 9-17-02 (Project Manager) Date 175/5 (Department Manager) Date 69-12-02 (QA Manager) Manager Dept. Manager Reporting Group (as appli



Paragon Analytics, Inc.

Pesticides Case Narrative

Cape Environmental

SW DIV Removal Action – 26003.002.001

Order Number - 0208148

- 1. This report consists of 1 soil sample. The sample was received cool and intact by Paragon on 08/27/2002.
- 2. The sample was extracted and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil sample was extracted using soxhlet procedures according to Paragon Analytics, Inc. Standard Operating Procedure 625 Revision 6 based on Method 3540C.
- 3. The extracts were then analyzed using GC/ECD (electron capture detectors) with an RTX-CLPesticides capillary column according to Paragon Analytics, Inc. Standard Operations Procedure 402 Revision 6 based on Method 8081A. All positive results were then confirmed on an RTX-CLPesticides II column. The quantitation of each analyte is the higher of the concentrations obtained from each column that met initial and continuing calibration criteria.
- 4. The breakdown for endrin and 4,4'-DDT met acceptance criteria.
- 5. All initial and continuing calibration criteria were met. Calibration is verified when all compounds are within 15%D or when the average of the %D for all compounds is within 15%. Individual compounds that exceeded 15% are listed by calibration verification below:
 - Continuing calibration 091002-4CCV endosulfan sulfate and endrin ketone were out high on column 2.
 - Continuing calibration 091002-5CCV endosulfan sulfate and endrin ketone were out high on column 2.
 - Quantitation for each analyte was reported from the column that passed initial and continuing calibration criteria.
- 6. The method blank associated with this project was below the MDL for all analytes.

- 7. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.
- 8. All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria.
- 9. The sample was extracted and analyzed within the established holding times.
- 10. All surrogate recoveries were within acceptance criteria.
- 11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

for Dan Sheneman Date

C.C. Analyst

 $\frac{\mathcal{C}\mathcal{X}}{\text{Reviewer's Initials}} \qquad \frac{0943-02}{\text{Date}}$

Paragon Analytics, Inc. Data Qualifier Flags Chromatography and Mass Spectrometry

condensation product.

U or ND:

J:

A:

This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL. This flag is used when the analyte is detected in the associated method blank as B: well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound. This flag identifies compounds whose concentration exceeds the upper level of E: the calibration range.

This flag indicates that the compound was analyzed for but not detected.

This flag indicates that the analyte was diluted below an accurate quantitation X: level.

This flag indicates that a tentatively identified compound is a suspected aldol-

This flag indicates that a spike recovery is equal to or outside the control *: criteria used.

This flag indicates that the relative percent difference (RPD) equals or exceeds +: the control criteria.

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0208148

Client Name: Cape Environmental
Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001 Client PO Number: 00314P014

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
W01-A-03	0208148-1		SOIL	8/23/02	15:00
W02-A-03	0208148-2		SOIL	8/23/02	15:10
W03-A-03	0208148-3		SOIL	8/23/02	15:16
W04-A-03	0208148-4		SOIL	8/23/02	15:25
W05-A-03	0208148-5		SOIL	8/23/02	15:34
W06-A-03	0208148-6		SOIL	8/23/02	15:45
F07-A-04	0208148-7		SOIL	8/23/02	15:56
F08-A-04	0208148-8		SOIL	8/23/02	16:05
F09-C-04	0208148-9		SOIL	8/23/02	16:18
W10-A-03	0208148-10		SOIL	8/23/02	16:29
W11-A-03	0208148-11	TOP .	SOIL	8/23/02	16:30
W12-A-03	0208148-12		SOIL	8/23/02	16:4
W-13A-03	0208148-13		SOIL	8/23/02	16:5
W-14A-03	0208148-14		SOIL	8/23/02	17:0
W-15A-03	0208148-15		SOIL	8/23/02	17:1
W-16A-03	0208148-16	A	SOIL	8/23/02	17:2
W-17A-03	0208148-17	P	SOIL	8/23/02	17:3
W-18A-03	0208148-18		SOIL	8/23/02	17:4
W-19A-03	0208148-19		SOIL	8/23/02	17:5
W19C-03	0208148-20	- A1	SOIL	8/23/02	18:0
W20A-03	0208148-21		SOIL	8/23/02	18:1
W21A-03	0208148-22		SOIL	8/23/02	18:2
F22A-04	0208148-23		SOIL	8/23/02	18:3
F23A-04	0208148-24		SOIL	8/23/02	18:4
W24-A-03	0208148-25		SOIL	8/23/02	18:5
W25-C-03	0208148-26		SOIL	8/23/02	19:0
W26-A-03	0208148-27		SOIL	8/23/02	19:1
RA12B.BACKFILL	0208148-28		SOIL	8/26/02	
RA12B.BACKFILL	0208148-29	The state of the s	SOIL	8/26/02	7.00

Method SW8081 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020905-1MB

Sample Matrix: SOIL % Moisture: N/A Date Collected: N/A

Date Collected: N/A

Date Extracted: 09/05/2002

Date Analyzed: 09/11/2002

Prep Batch: EX020905-1 QCBatchID: EX020905-1-1

Run ID: PT020910-2 Cleanup: NONE Basis: N/A Sample Aliquot: 30 G

Final Volume: 10 ML Result Units: UG/KG Clean DF: 1 File Name: EB004219

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
319-84-6	ALPHA-BHC	1	1.7	1.7	U	
58-89-9	GAMMA-BHC (LINDANE)	1	1.7	1.7	U	
76-44-8	HEPTACHLOR	1	1.7	1.7	U	
309-00-2	ALDRIN	1	1.7	1.7	U	
319-85-7	BETA-BHC	1	1.7	1.7	U	
319-86-8	DELTA-BHC	1	1.7	1.7	U	
1024-57-3	HEPTACHLOR EPOXIDE	1	1.7	1.7	U	
959-98-8	ENDOSULFAN I	1	1.7	1.7	U	
12789-03-6	GAMMA-CHLORDANE	1	1.7	1.7	U	
5103-71-9	ALPHA-CHLORDANE	1	1.7	1.7	U	
72-55-9	4,4'-DDE	1	3.3	3.3	U	
60-57-1	DIELDRIN	1	3.3	3.3	U	
72-20-8	ENDRIN	1	3.3	3.3	U	
72-54-8	4,4'-DDD	1	3.3	3.3	U	
33213-65-9	ENDOSULFAN II	1	3.3	3.3	U	
50-29-3	4,4'-DDT	1	3.3	3.3	U	
7421-93-4	ENDRIN ALDEHYDE	1	3.3	3.3	U	
72-43-5	METHOXYCHLOR	1	17	17	U	
1031-07-8	ENDOSULFAN SULFATE	1	3.3	3.3	U	
53494-70-5	ENDRIN KETONÉ	1	3.3	3.3	U	
8001-35-2	TOXAPHENE	1	170	170	U	

Method SW8081 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020905-1MB

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A
Date Extracted: 09/05/2002

Date Analyzed: 09/11/2002

Prep Batch: EX020905-1

QCBatchID: EX020905-1-1

Run ID: PT020910-2 Cleanup: NONE

Basis: N/A

Sample Aliquot:

30 G

Final Volume: 10 ML

Result Units: UG/KG Clean DF: 1

File Name: EB004219

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	18.4		16.7	111	56 - 132
877-09-8	TETRACHLORO-M-XYLENE	18		16.7	108	69 - 124

Method SW8081 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

Lab ID: 0208148-29

Sample Matrix: SOIL % Moisture: 18.7

Date Collected: 26-Aug-02
Date Extracted: 05-Sep-02

Date Extracted: 05-Sep-02

Date Analyzed: 11-Sep-02

Prep Batch: EX020905-1

QCBatchID: EX020905-1-1 Run ID: PT020910-2

> Cleanup: NONE Basis: Dry Weight

Sample Aliquot: 30 G

Final Volume: 10 ML Result Units: UG/KG Clean DF: 1 File Name: EB004222

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
319-84-6	ALPHA-BHC	1	2.1	2.1	U	
58-89-9	GAMMA-BHC (LINDANE)	1	2.1	2.1	U	
76-44-8	HEPTACHLOR	1	2.1	2.1	U	
309-00-2	ALDRIN	1	2.1	2.1	U	
319-85-7	BETA-BHC	1	2.1	2.1	U	
319-86-8	DELTA-BHC	1	2.1	2.1	U	
1024-57-3	HEPTACHLOR EPOXIDE	1	2.1	2.1	U	
959-98-8	ENDOSULFAN I	1	2.1	2.1	U	
12789-03-6	GAMMA-CHLORDANE	1	2.1	2.1	U	
5103-71-9	ALPHA-CHLORDANE	1	2.1	2.1	U	
72-55-9	4,4'-DDE	1	4.1	4.1	U	
60-57-1	DIELDRIN	1	4.1	4.1	υ	
72-20-8	ENDRIN	1	4.1	4.1	U	
72-54-8	4,4'-DDD	1	4.1	4.1	U	
33213-65-9	ENDOSULFAN II	1	4.1	4.1	U	
50-29-3	4,4'-DDT	1	4.1	4.1	U	
7421-93-4	ENDRIN ALDEHYDE	1	4.1	4.1	U	
72-43-5	METHOXYCHLOR	1	21	21	υ	
1031-07-8	ENDOSULFAN SULFATE	1	4.1	4.1	U	
53494-70-5	ENDRIN KETONE	1	4.1	4.1	U	
8001-35-2	TOXAPHENE	1	210	210	U	

Method SW8081

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: EX020905-1LCS

Sample Matrix: SOIL % Moisture: N/A

Date Collected: N/A
Date Extracted: 09/05/2002

Date Analyzed: 09/11/2002

Prep Batch: EX020905-1

QCBatchID: EX020905-1-1

Run ID: PT020910-2 Cleanup: NONE

Basis: N/A

Sample Aliquot: 30 G

Final Volume: 10 ML Result Units: UG/KG

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
58-89-9	GAMMA-BHC (LINDANE)	13.3	14.7	1.67		110	59 - 123%
76-44-8	HEPTACHLOR	13.3	14.8	1.67		111	51 - 140%
309-00-2	ALDRIN	13.3	14.8	1.67		111	47 - 140%
60-57-1	DIELDRIN	13.3	15	3.33		112	67 - 125%
72-20-8	ENDRIN	13.3	14.2	3.33		107	61 - 133%
50-29-3	4,4'-DDT	13.3	14.9	3.33		112	45 - 140%

Lab ID: EX020905-1LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
58-89-9	GAMMA-BHC (LINDANE)	13.3	14.2	1.67	106	The second	4	20
76-44-8	HEPTACHLOR	13.3	14.4	1.67	108		3	20
309-00-2	ALDRIN	13.3	14.1	1.67	106		5	20
60-57-1	DIELDRIN	13.3	14.7	3.33	110		2	20
72-20-8	ENDRIN	13.3	14	3.33	105		1	20
50-29-3	4,4'-DDT	13.3	14.7	3.33	110		1	20

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	16.7	112		113		56 - 132
877-09-8	TETRACHLORO-M-XYLENE	16.7	109		108		69 - 124

Data Package ID: PT0208148-3

Date Printed: Friday, September 13, 2002

Paragon Analytics Inc.
LIMS Version: 3.104

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Method SW8081 Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

LabID: 0208148-29MS

Sample Matrix: SOIL % Moisture: 18.7

Date Collected: 26-Aug-02

Date Extracted: 05-Sep-02 Date Analyzed: 11-Sep-02

Prep Batch: EX020905-1

QCBatchID: EX020905-1-1

Run ID: PT020910-2 Cleanup: NONE

Basis: Dry Weight

Sample Aliquot: Final Volume:

10 ML

30 G

Result Units: UG/KG

	Result	Qual	Result	Qual	Reporting Limit	Spike Added	MS % Rec.	Limits
(LINDANE)	2.1	U	18.5		2.05	16.4	113	59 - 123%
	2.1	U	18.5		2.05	16.4	113	51 - 140%
	2.1	U	18.6		2.05	16.4	113	47 - 140%
		11	18.5		4.1	16.4	113	67 - 125%
		- 11			4.1	16.4	116	61 - 133%
	4.1						140	45 - 140%
	(LINDANE)	(=,,,=,,	2.1 U 2.1 U 4.1 U 4.1 U	2.1 U 18.5 2.1 U 18.6 4.1 U 18.5 4.1 U 19	2.1 U 18.5 2.1 U 18.6 4.1 U 18.5 4.1 U 19	(CINDANE) 2.1 U 18.5 2.05 2.1 U 18.6 2.05 4.1 U 18.5 4.1 4.1 U 19 4.1	(LINDANE) 2.1 U 18.5 2.05 16.4 2.1 U 18.6 2.05 16.4 4.1 U 18.5 4.1 16.4 4.1 U 19 4.1 16.4	(LINDANE) 2.1 U 18.5 2.05 16.4 113 2.1 U 18.6 2.05 16.4 113 4.1 U 18.5 4.1 16.4 113 4.1 U 19 4.1 16.4 116

MSD Lab ID: 0208148-29MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
58-89-9	GAMMA-BHC (LINDANE)	16.4	18.5		2.05	113	0	20
76-44-8	HEPTACHLOR	16.4	18.6		2.05	113	0	20
309-00-2	ALDRIN	16.4	18.7		2.05	114	0	20
60-57-1	DIELDRIN	16.4	18.6		4.1	113	1	20
72-20-8	ENDRIN	16.4	19.8		4.1	121	4	20
50-29-3	4.4'-DDT	16.4	18.6		4.1	113	0	20

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
2051-24-3	DECACHLOROBIPHENYL	20.5	111		110		56 - 132
877-09-8	TETRACHLORO-M-XYLENE	20.5	109		106		69 - 124

Data Package ID: PT0208148-3

Date Printed: Friday, September 13, 2002

Paragon Analytics Inc. LIMS Version: 3.104

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Paragon Analytics, Inc.

GC/MS Volatiles Case Narrative

Cape Environmental

SW DIV Removal Action - 26003.002.001

Order Number - 0208148

- 1. This report consists of 1 soil sample. The sample was received cool and intact by Paragon on 08/27/02.
- 2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil sample was prepared by purging a heated 5 grams of sample mixed with 5 mls of reagent water. The calibration curve was also prepared using the heated purge. This procedure, including the heating step, is based on Method 5030B.
- The sample was analyzed using GC/MS with a RTX-624 capillary column according to Paragon Standard Operating Procedure 525 Revision 7 based on SW-846 Method 8260B. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.
- 4. All initial calibration criteria for SPCC's and CCC's were met. Method 8260B states that the average response factor may be used for quantitation for all analytes if the mean of the RSD values (grand mean) for all analytes is less than or equal to 15%. All initial calibrations had a mean RSD value of less than 15%. All compounds were quantitated using the average response factor except the results reported for methylene chloride which are based upon a regression equation calculated from the initial calibration using the internal standard technique.
- 5. All initial calibration standards are verified by comparing a second source standard initial calibration verification (ICV) against the calibration curve. The laboratory utilizes the grand mean approach in evaluating the % D for the ICV. All ICV's had a mean % D of less than 20%, and all criteria for SPCC's and CCC's were met.

6. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, Paragon has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, conditioned air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions, reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank.

The method blank had methylene chloride detected above the reporting limit. This compound was detected in the sample, so the data were flagged.

- 7. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.
- 8. A matrix spike and matrix spike duplicate were performed on an in house sample not provided by the client. The data have not been provided in this package.
- 9. The sample was analyzed within the established holding times.
- 10. All surrogate recoveries were within acceptance criteria.
- 11. All internal standard recoveries were within acceptance criteria.
- 12. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Paragon Analytics, Inc. Data Qualifier Flags Chromatography and Mass Spectrometry

U or ND: This flag indicates that the compound was analyzed for but not detected.

J: This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.

B: This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.

E: This flag identifies compounds whose concentration exceeds the upper level of the calibration range.

A: This flag indicates that a tentatively identified compound is a suspected aldolcondensation product.

X: This flag indicates that the analyte was diluted below an accurate quantitation level.

*: This flag indicates that a spike recovery is equal to or outside the control criteria used. (This flag appears when a spike recovery is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)

+: This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria. (This flag appears when the RPD is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0208148

Client Name: Cape Environmental
Client Project Name: SW DIV Removal Action

Client Project Number: 26003.002.001 Client PO Number: 00314P014

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
W01-A-03	0208148-1		SOIL	8/23/02	15:00
W02-A-03	0208148-2		SOIL	8/23/02	15:10
W03-A-03	0208148-3		SOIL	8/23/02	15:16
W04-A-03	0208148-4		SOIL	8/23/02	15:25
W05-A-03	0208148-5		SOIL	8/23/02	15:34
W06-A-03	0208148-6		SOIL	8/23/02	15:45
F07-A-04	0208148-7		SOIL	8/23/02	15:56
F08-A-04	0208148-8		SOIL	8/23/02	16:05
F09-C-04	0208148-9		SOIL	8/23/02	16:15
W10-A-03	0208148-10		SOIL	8/23/02	16:29
W11-A-03	0208148-11		SOIL	8/23/02	16:36
W12-A-03	0208148-12		SOIL	8/23/02	16:45
W-13A-03	0208148-13		SOIL	8/23/02	16.55
W-14A-03	0208148-14		SOIL	8/23/02	17:04
W-15A-03	0208148-15		SOIL	8/23/02	17:15
W-16A-03	0208148-16		SOIL	8/23/02	17:23
W-17A-03	0208148-17		SOIL	8/23/02	17:34
W-18A-03	0208148-18		SOIL	8/23/02	17:45
W-19A-03	0208148-19		SOIL	8/23/02	17:54
W19C-03	0208148-20		SOIL	8/23/02	18:05
W20A-03	0208148-21		SOIL	8/23/02	18:14
W21A-03	0208148-22		SOIL	8/23/02	18:25
F22A-04	0208148-23		SOIL	8/23/02	18:34
F23A-04	0208148-24		SOIL	8/23/02	18:45
W24-A-03	0208148-25		SOIL	8/23/02	18:54
W25-C-03	0208148-26		SOIL	8/23/02	19:05
W26-A-03	0208148-27		SOIL	8/23/02	19:15
RA12B.BACKFILL	0208148-28		SOIL	8/26/02	
RA12B.BACKFILL	0208148-29		SOIL	8/26/02	

C 22546 **CAPE ENVIRONMENTAL** Page \angle Of $\underline{3}$ LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Sent Results To: ANALYSES REQUESTED Project Name: O=Other Site Address/Location: heneme CAPE Environmental Speciation SC. N=Normal 2823 McGaw Avenue Project No./P.O. No.: 00 Irvine, CA 92614 Ph (949) 474-3090 Project Manager: Range Carbon Fx (949) 474-3091 FPH-gasoline PH-diesel Sampler (Printed Name): Turnaround Time 8020 BTEX 8015 Full Ra Sampler Signature: Attn: SAMPLE REMARKS DATE TIME Comp. No. Of ontainer SAMPLE ID Grab Matrix Pres. Containers Type **INSTRUCTIONS** DEŠCRIPTION 8-23-02 PM 1500 6 -SO+WOLA-03 G 18-23:02 PM 15/0 W62-A-63 8-23 4 PM 5/L \bigcirc 8-23 de DM/425 (; W05-A-03 5 8-33-07 8 6 123 ch PM 9 WII-A-038-23-W W 3 W12-A-03 Special Remarks: Relinquished By: Signature Date: l'ime: Sample Conditions Received on Ice ompany: Date: Time: Received By (Signature) Yes No COC Seal Relinquished By: (Signature) Yes No Printed Name: Company: Date: Time: Received By (Signature) Received Intact Yes No

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. =	Project Name: S 1/1 1) 1	HANDYAL ACTION			AN	ALYS	ANAL YSES REQUESTED	ESTED	тэң	Sent Results To:
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	Project No./P.O. No.: 26003	1002001		'ONH		peciati	28 Y °		Mormal	2823 McGaw Avenue Irvine, CA 92614
	Project Manager: MA++ MUSENOW (GU)4)	14-30 90	P=pla P=pla brass sl	ICI 3=1 =0tµct		rbon S	413		∍N ųsπ	Ph (949) 474-3090 Fx (949) 474-3091
. <u> 1</u>	Sampler (Printed Name): Rewell	S	ss VOA	:O əgbı	gasoli	ige Ca	nl		Я=Я - з	
· · · · · · · · · · · · · · · · · · ·	Sampler Signature:	lest		J=non	-H4T		2 શ			Attn:
	SAMPLE ID DESCRIPTION	DATE TIME Grap Grab Containers	Container N	Matrix Pres.	g-2108 b-2108	8070 B.	7d		Turnarou	SAMPLE REMARKS INSTRUCTIONS
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<u> </u>	17.2-50-10-154-03	Z	0	5 1			-2		Ñ	
_ 2	-80-W-16A-	1/ 101 M 121 /	①	1 5			2		3	
- 4	5 PAD 13 - SO - W-174 - 03	PELL MA	\odot	7			2		3	
-	S.	1 / SHA! MC! CAR'S	6	7 5			7		2	
=	1 RA1213-50-1712-03	NAT	S	7 5			2		3	
2	1-50-1019	4236 DM 165 / 2	0	5		\dashv			2	MS-MSD
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C 22547 CAPE ENVIRONMENTAL Page <u>3</u> Of <u>3</u> LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD Sent Results To: ANALYSES REQUESTED emoval Action Project Name: CAPE Environmental Site Address/Location: Hueneme Speciation 99 N=Normal 2823 McGaw Avenue 26003,1002.001 Project No./P.O. No.: Irvine, CA 92614 Ph (949) 474-3090 Carbon NuseNow 947 474 3090 Project Manager: R=Rush Fx (949) 474-3091 **TPH-diesel** Sampler (Printed Name): 8015 Full Range Turnaround Time Attn: Sampler Signature: SAMPLE REMARKS DATE TIME Comp No. Of Container Matrix 1 SAMPLE ID Grab **INSTRUCTIONS** Containers Type PM 1854 25 6025-C-638-2301 DM/1108 Ĉ 26 5 Pecenial N Back Fill 1º04 /9XX (3 Recense G1430 BackFill 10 11 12 Special Remarks: Sample Conditions Date: Time: Company: Relinquished By: (Signature) Received on Ice l'ime: Company: Yes No Received By (Signature) COC Seal 00000 Relinquished By: (Signature) Yes No Time: Date: Received Intact Company: Printed Name: Received By. (Signature) Yes No

CAPE ENVIRONMENTAL
LABORATORY ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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Page __ Of __

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		: 12B Pos : 2003,0						= amber glass jar lastic sleeve		-HNO,			Speciation						N=Normal O=Other	CAPE Environmental 2823 McGaw Avenue Irvine, CA 92614 Ph (949) 474-3090
		MaTT Nose,	Now	447	47	43	090	AG = amb A P=plastic or brass sleeve	V=water O=other	HCl 3=	line	_	Carbon						R=Rush	Fr (949) 474-3090 Fx (949) 474-3091
Sa	umpler (Printed Na	ame): Randy	<u>, S</u>	600	(4			G=glass jar AG = V=glass VOA P=pla S=stainless or brass si	S=soil W=water SL=sludge O=other	1=none 2=HCl 4=H ₂ SO ₂ 0=other	TPH-gasoline	I PH-diesei	ange							
Sa	ampler Signature:	Munto	L			,		G=g V=g S=st	S=s(1=h 4=F			ull R	N	ر ا <u>ز</u>	900			T pun	Attn:
	SAMPLE ID	L OCATIO N DESCRIPTION	DATE	ТІМЕ	Comp.	Grab	No. Of Containers	Container Type	Matrix	Pres.	8015-g	8015-d 1PH 8020 BTEX	8015 Full Range		300	14.8			Turnaround Time	SAMPLE REMARKS INSTRUCTIONS
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CLIENT: <u>Cape Env.</u> WORKORDER NO: <u>0208</u>			
PROJECT MANAGER: <u>Kea Campbell</u> INITIALS: <u>Aw</u> DATI): <u>8/</u>	24/02	
Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	(No)
2. Are custody seals on shipping containers intact? How many custody seals are provided?	N/A	Yes'	No
3. Are the custody seals on sample containers intact?	N/A)	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No *
5. Is the COC complete?	N/A	Yes	(-No)-
Relinquished: Yes No Analyses Requested: Yes No			
6. Is the COC in agreement with the samples received?	N/A	Yes	(No)
No. of Samples: YesNo Sample ID's: YesNo	i		
Matrix: Yes Vo_ No. of Containers: Yes No_			
7. Were COC (if applicable) and sample labels legible?	(Yes	No
8. Were airbills present and/or removable?	N/A	Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous non-preserved samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		(Yes)	No
12. Were all sample containers received intact? (not broken or leaking, etc.)	Ci	Yes	NO
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: < green pea; > green pea	N/A)	Yes	No
(List sample IDs and affected containers on Page 2)	NIVA	37	No
14. Were samples checked for and free from the presence of residual chlorine?	(N/A)	Yes	No
15. Were the sample(s) shipped on ice?	N/A	(Yes')	No
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used*: 1)2	N/A	Yes	No
17. Were all samples cooled that should have been cooled?	N/A	(Yes)	No
Cooler #'s Temperature Project Manager Signature / Date: Date:			° C
A NO DECRONSE TO ANY OUTSTION EXCEPT # 1 DECUMPS THE COMPLETION	OF PAC	E 2 OF TH	US FOR

A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

* IR Gun #1 (original): Raytek, SN SC-PM3/T29403 IR Gun #2 (newer): Oakton, SN 2SCIR1201

CLIENT:	Cape_	EAV.	WORK	ORDER NO: _	02081	48
PROJECT MAI	NAGER:	Ken Cany	obell INI	rials: <u>Aw</u>	DATE:	8/24/02
No Chain- Number of Aqueous s SVOC san Samples r Insufficie Extraction Broken/lo No analy Incorrect VOAs, re Airbills r	of-Custody of samples of samples not mples contained at its ent sample to a ranalytic eaking bott ses requested to sample type active CN/S	(COC) present on the COC do not he coc do not he cor do not he cor do not he composite to t	not match the num rectly (see pH disconlorine (list samplemperature. ested analyses. es expired in transi	ber of samples cussion below). e IDs and affect t. ame cooler (list	received. ted containe affected sa	mple IDs below).
Sample # Sample # Sample # Sample # Sample # Sample # Piece of Intact be Was the client Was the pH of NOTE: No	two Bac occs148 occs148 occs148 occs148 occs148 occs148 contacted? any sample pH adjust	beca designed beca designed beca designed by the history of adjusted by the ments shall be	1): Bettle la A): Bettle la A): Sample rem better argo mustu Er In Coole Yes: Name Ta e laboratory?	s is not a extraction bel ID bel ID side of J re content re Procee dhilson (14 No; Ye prior consen	Lived with a but a	for PCB andyse letters SO letters A th quarter Size imple remained indisture Could whise for deat Time 8-26-02/~13 e below): ct Manager. After p
Sample ID	Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reage	ent Used	Initials / Date / Time
chlorine?	_No;	Yes (see notes	with the analysi above).		les yielding	g the presence of res

CLIENT:	4,40	pe - 1			wo	RKOR	DER	NO:	0.	208	14	18		
PROJECT N	MANA	GER: _	Ken	Camp	bell	INITIA	ALS:	aw	_ D A	ATE:	8	124/	102	
Custo No Ch Numb Aqueo SVOC Sampl Insuff Extrace No an Incorr VOAs Airbil	dy seal tain-of- per of s pus sampl es rece icient s en/leak alyses rect sam t, reacti	Is broken Custody amples apples not es conta ived at i sample analytic ing bott request mple ty	n (on outs (COC) p on the CO t preserve ined residing to perform cal holding cles and in ed. pe receive 6, radon nand/or rem	ide of shoresent. OC do not ed corredual chloriate tender in requestimes attact bottom the ded.	nipping contains of match the ectly (see pHorine (list samperature). ted analyses, expired in tractiles received. space free (light (record applied).	number or discussumple II	on sa r of sa sion b Ds and e cool	mple comples reelow). d affecte er (list a	eceived con	ners). ed. ntaine ed sar	rs be	elow).		
two two leak	plus piel ba twee mas and	res or particular from Significant	chid drai ed as	bette hette hette rel	bottom les and les and inquished frecora	e of on val.	top.	Mel Clien	ted	bw.	por La	Cany	ce was	135C
	lo pH	adjust	ments sh	all be	made with	out pri	ior c	onsent	of P	rojec	t M		er. Aft	ter pH
Sample II		nent, ho	Final p	pH	adchem san Type of Reager Used			r before		1		als / Do	ate / Tin	пе
Was the lal	borator	w direct	ted to pro	oceed w	rith the anal	veie of	anv	camples	o viel	lding	the	nrecer	ace of r	regidual
chlorine?	Nc);`	Yes (see 1	notes ab	ove).	•	· wil	zampiec	ر ۱۳۰۰ د ۱	5		P. 0001.	.50 01 1	J. J. G. G. G. G. G. G. G. G. G. G. G. G. G.
Project Ma	ınager	Signati	ure / Dat	e:	1C>C/8-2	7-272								

Page 7 of 13 0000 dispupz

CLIENT: WORKORDER NO: 020	2178		
PROJECT MANAGER: Ken Campbell INITIALS: Que DATE	:_8/	17/02	
1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided?	N/A)	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: YesNo Analyses Requested: Yes No	N/A	(Yes)	No-
6. Is the COC in agreement with the samples received? No. of Samples: Yes No Sample ID's: Yes No Matrix: Yes No No. of Containers: Yes No	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?	N/A	Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A)	Yes	No
Are all aqueous non-preserved samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?	(Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)	4	(Yes)	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: < green pea; > green pea (List sample IDs and affected containers on Page 2)	N/À	Yes	No
14. Were samples checked for and free from the presence of residual chlorine?	N/A	Yes	No
15. Were the sample(s) shipped on ice?	N/A	(Yes	No
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used*: 12	N/A	Yes	No
17. Were all samples cooled that should have been cooled?	N/A	Yes	No
:	<u> </u>		
Cooler #'s Temperature Project Manager Signature / Date: Cooler #'s Cooler #			° C
A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION	— OF PAG	E 2 OF T	HIS FOR

* IR Gun #1 (original): Raytek, SN SC-PM3/T29403

IR Gun #2 (newer): Oakton, SN 2SCIR1201

LIENT:(cope -	Eav	WORK	ORDER NO: DAT	08148
ROJECT MAN	NAGER:	Ken Can	phill INI	TIALS:	E: <u>8/27/02</u>
No Chain- Number of Aqueous s SVOC sar Samples r Insufficie Extraction Broken/le No analy Incorrect VOAs, re Airbills n	of-Custody of samples of samples not apples contained at its ample to a ranalytic eaking bottleses requested sample typactive CN/S	(COC) present on the COC do preserved corned residual conappropriate to perform requal holding times and intact bed. The received. The radon not head and/or removable.	not match the numerectly (see pH dischlorine (list samplemperature. ested analyses. es expired in transportiles received in samplementes.	e IDs and affected conta	iners below). sample IDs below).
Vas the client	45 - 5 48 - 28 45 - 29 contacted?	No;	Yes: Name Ta		A Lab. Extractions Lab. te/Time 8-27-02
OTE: No	pH adjusti	ments shall b	e made without		ject Manager. After
Sample ID	Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time
chlorine?	_No;	ted to proceed Yes (see notes ure / Date:	above).		ing the presence of resid

000013 Page 2 of 2

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Method SW8260 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: VL020906-1MB

Sample Matrix: SOIL
% Moisture: N/A

Date Collected: N/A
Date Extracted: 09/06/2002

Prep Batch: VL020906-1 QCBatchID: VL020906-1-1 Run ID: VL020906-1A

Date Extracted: 09/06/2002Cleanup: NONEDate Analyzed: 09/06/2002Basis: N/A

Sample Aliquot: 5 G

Final Volume: 5 ML Result Units: UG/KG Clean DF: 1 File Name: A19666

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	U	
74-87-3	CHLOROMETHANE	1	10	10	U	
75-01-4	VINYL CHLORIDE	1	10	10	U	
74-83-9	BROMOMETHANE	1	10	10	U	
75-00-3	CHLOROETHANE	1	10	10	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	U	
67-64-1	ACETONE	1	20	20	U	
74-88-4	IODOMETHANE	1	5	5	U	
75-15-0	CARBON DISULFIDE	1	5	5	U	
75-09-2	METHYLENE CHLORIDE	1	11	5		
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	U	
108-05-4	VINYL ACETATE	1	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	U	
78-93-3	2-BUTANONE	1	20	20	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	U	
67-66-3	CHLOROFORM	1	5	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	U	
71-43-2	BENZENE	1	5	5	U	
79-01-6	TRICHLOROETHENE	1	5	5	U	
78-87-5	1,2-DICHLOROPROPANE	1	5	5	υ	

Data Package ID: VL0208148-1

Date Printed: Thursday, September 12, 2002

Paragon Analytics Inc.
LIMS Version: 3.104

Analytics Inc. Page 1 of 3

Method SW8260 **Method Blank**

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: VL020906-1MB

Sample Matrix: SOIL % Moisture: N/A

Date Collected: N/A Date Extracted: 09/06/2002

Date Analyzed: 09/06/2002

Prep Batch: VL020906-1 QCBatchID: VL020906-1-1

Run ID: VL020906-1A Cleanup: NONE

Basis: N/A

5 G Sample Aliquot: 5 ML Final Volume:

Result Units: UG/KG Clean DF: File Name: A19666

74-95-3	DIBROMOMETHANE	1	5	5	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	U	
108-88-3	TOLUENE	1	5	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	U	
591-78-6	2-HEXANONE	1	20	20	U	
127-18-4	TETRACHLOROETHENE	1	5	5	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	U	
544-10-5	1-CHLOROHEXANE	1	5	5	U	
108-90-7	CHLOROBENZENE	1	5	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	5	5	U	
136777-61-	M+P-XYLENE	1	5	5	U	44
95-47-6	O-XYLENE	1	5	5	U	
100-42-5	STYRENE	1	5	5	U	
75-25-2	BROMOFORM	1	5	5	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	U	
108-86-1	BROMOBENZENE	1	5	5	U	
103-65-1	N-PROPYLBENZENE	1	5	5	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	υ	
135-98-8	SEC-BUTYLBENZENE	1	5	5	U	

Data Package ID: VL0208148-1

Paragon Analytics Inc. LIMS Version: 3.104

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Method SW8260 Method Blank

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: VL020906-1MB

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A

Date Collected: N/A
Date Extracted: 09/06/2002

Date Analyzed: 09/06/2002

Prep Batch: VL020906-1 QCBatchID: VL020906-1-1 Run ID: VL020906-1A

Cleanup: NONE Basis: N/A Sample Aliquot:

5 G 5 ML

Final Volume: 5 M Result Units: UG/KG Clean DF: 1 File Name: A19666

541-73-1	1,3-DICHLOROBENZENE	1	5	5	U	
99-87 - 6	P-ISOPROPYLTOLUENE	1	5	5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	U	
104-51-8	N-BUTYLBENZENE	1	5	5	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	U	
91-20-3	NAPHTHALENE	1	5	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	45.5		50	91	52 - 151
1868-53-7	DIBROMOFLUOROMETHANE	46.4		50	93	61 - 134
2037-26-5	TOLUENE-D8	46.8		50	94	57 - 135

Data Package ID: VL0208148-1

Paragon Analytics Inc.
LIMS Version: 3.104

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Date Printed: Thursday, September 12, 2002

Method SW8260 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B BACKFILL Lab ID: 0208148-28 Sample Matrix: SOIL

% Moisture: 3.6

Date Collected: 26-Aug-02 Date Extracted: 06-Sep-02 Date Analyzed: 06-Sep-02 Prep Batch: VL020906-1 QCBatchID: VL020906-1-1

Run ID: VL020906-1-1 Run ID: VL020906-1A Cleanup: NONE Basis: Dry Weight Sample Aliquot: 5 G Final Volume: 5 ML

Result Units: UG/KG Clean DF: 1 File Name: A19668

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1 10004	10	10	U	
74-87-3	CHLOROMETHANE	1	10	10	U	
75-01-4	VINYL CHLORIDE	1	10	10	U	
74-83-9	BROMOMETHANE	1	10	10	U	
75-00-3	CHLOROETHANE	1	10	10	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5.2	5.2	U	
75-35-4	1,1-DICHLOROETHENE	1	5.2	5.2	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5.2	5.2	U	
67-64-1	ACETONE	1	21	21	U	
74-88-4	IODOMETHANE	1	5.2	5.2	Ū	
75-15-0	CARBON DISULFIDE	1	5.2	5.2	U	
75-09-2	METHYLENE CHLORIDE	1	3.4	5.2	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5.2	5.2	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5.2	5.2	U	
75-34-3	1,1-DICHLOROETHANE	1	5.2	5.2	U	
108-05-4	VINYL ACETATE	1	21	21	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5.2	5.2	U	
78-93-3	2-BUTANONE	1	21	21	U	
74-97-5	BROMOCHLOROMETHANE	1 12	5.2	5.2	U	
67-66-3	CHLOROFORM	1	5.2	5.2	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5.2	5.2	U	
594-20-7	2,2-DICHLOROPROPANE	1	5.2	5.2	U	
56-23-5	CARBON TETRACHLORIDE	1	5.2	5.2	U	
563-58-6	1,1-DICHLOROPROPENE	1	5.2	5.2	U	
107-06-2	1,2-DICHLOROETHANE	1	5.2	5.2	U	
71-43-2	BENZENE	1	5.2	5.2	U	
79-01-6	TRICHLOROETHENE	1	5.2	5.2	U	
78-87-5	1,2-DICHLOROPROPANE	1	5.2	5.2	U	

Data Package ID: VL0208148-1

Date Printed: Friday, September 13, 2002

Paragon Analytics Inc.
LIMS Version: 3.104

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Method SW8260 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL

Lab ID: 0208148-28

Sample Matrix: SOIL

% Moisture: 3.6

Data Collected: 26-Aug-6

Date Collected: 26-Aug-02 Date Extracted: 06-Sep-02 Date Analyzed: 06-Sep-02 Prep Batch: VL020906-1 QCBatchID: VL020906-1-1

Run ID: VL020906-1A Cleanup: NONE Basis: Dry Weight Sample Aliquot: 5 G Final Volume: 5 ML

Result Units: UG/KG Clean DF: 1 File Name: A19668

74-95-3	DIBROMOMETHANE	1	5.2	5.2	Ü	
75-27-4	BROMODICHLOROMETHANE	1	5.2	5.2	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5.2	5.2	<u>υ</u>	
108-10-1	4-METHYL-2-PENTANONE	1	21	21	υ	
108-88-3	TOLUENE	1	5.2	5.2	U	
100-00-3	TRANS-1,3-DICHLOROPROPENE	1	5.2	5.2	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5.2	5.2	U	
	2-HEXANONE	1	21	21		
591-78-6	TETRACHLOROETHENE	1	5.2			
127-18-4				5.2	U	
142-28-9	1,3-DICHLOROPROPANE	1	5.2	5.2	U	
124-48-1	DIBROMOCHLOROMETHANE		5.2	5.2	U	
106-93-4	1,2-DIBROMOETHANE	1	5.2	5.2	<u>U</u>	_
544-10-5	1-CHLOROHEXANE	1	5.2	5.2	U	
108-90-7	CHLOROBENZENE	1	5.2	5.2	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5.2	5.2	U	
100-41-4	ETHYLBENZENE	1	5.2	5.2	U	
136777-61-	M+P-XYLENE	1	5.2	5.2	U	
95-47-6	O-XYLENE	1	5.2	5.2	U	
100-42-5	STYRENE	1	5.2	5.2	U	
75-25-2	BROMOFORM	1	5.2	5.2	U	
98-82-8	ISOPROPYLBENZENE	1	5.2	5.2	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5.2	5.2	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5.2	5.2	U	
108-86-1	BROMOBENZENE	1	5.2	5.2	U	
103-65-1	N-PROPYLBENZENE	1	5.2	5.2	U	
95-49-8	2-CHLOROTOLUENE	1	5.2	5.2	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5.2	5.2	U	
106-43-4	4-CHLOROTOLUENE	1 1700	5.2	5.2	U	
98-06-6	TERT-BUTYLBENZENE	1 s	5.2	5.2	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5.2	5.2	U	

Data Package ID: VL0208148-1

Date Printed: Friday, September 13, 2002

Paragon Analytics Inc. LIMS Version: 3.104 Page 2 of 3

Method SW8260 Sample Results

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Field ID: RA12B.BACKFILL Lab ID: 0208148-28 Sample Matrix: SOIL

% Moisture: 3.6

Date Collected: 26-Aug-02

Date Collected: 26-Aug-02 Date Extracted: 06-Sep-02 Date Analyzed: 06-Sep-02 Prep Batch: VL020906-1 QCBatchID: VL020906-1-1

Run ID: VL020906-1A Cleanup: NONE Basis: Dry Weight Sample Aliquot:

5 G

Final Volume: 5 ML Result Units: UG/KG

Clean DF: 1 File Name: A19668

135-98-8	SEC-BUTYLBENZENE	1	5.2	5.2	U
541-73-1	1,3-DICHLOROBENZENÉ	1	5.2	5.2	U
99-87 - 6	P-ISOPROPYLTOLUENE	1	5.2	5.2	U
106-46-7	1,4-DICHLOROBENZENE	1	5.2	5.2	U
104-51-8	N-BUTYLBENZENE	1	5.2	5.2	U
95-50-1	1,2-DICHLOROBENZENE	1	5.2	5.2	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U
120-82-1	1,2,4-TRICHLOROBENZENE	1	5.2	5.2	U
87-68-3	HEXACHLOROBUTADIENE	1	5.2	5.2	U
91-20-3	NAPHTHALENE	1	5.2	5.2	U
87-61 - 6	1,2,3-TRICHLOROBENZENE	1	5.2	5.2	U

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	48.5		51.9	93	52 - 151
1868-53-7	DIBROMOFLUOROMETHANE	48.8		51.9	94	61 - 134
2037-26-5	TOLUENE-D8	49.8		51.9	96	57 - 135

Data Package ID: VL0208148-1

Method SW8260

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics, Inc.

Work Order Number: 0208148

Client Name: Cape Environmental

ClientProject ID: SW DIV Removal Action 26003.002.001

Lab ID: VL020906-1LCS

Sample Matrix: SOIL % Moisture: N/A

Date Collected: N/A

Date Extracted: 09/06/2002

Date Analyzed: 09/06/2002

Prep Batch: VL020906-1

QCBatchID: VL020906-1-1

Run ID: VL020906-1A Cleanup: NONE

Basis: N/A

5 G Sample Aliquot:

5 ML Final Volume:

Result Units: UG/KG Clean DF:

LCS % Rec.	Control Limits
00	CE 4000/

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	20	19.6	5		98	65 - 136%
71-43-2	BENZENE	20	20.2	5		101	73 - 126%
79-01-6	TRICHLOROETHENE	20	23.3	5		117	77 - 124%
108-88-3	TOLUENE	20	20.5	5		103	71 - 127%
108-90-7	CHLOROBENZENE	20	21.1	5		106	75 - 123%

Lab ID: VL020906-1LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
75-35-4	1,1-DICHLOROETHENE	20	16.1	5	80		20	30
71-43-2	BENZENE	20	16.7	5	83		19	30
79-01-6	TRICHLOROETHENE	20	18.7	5	94		22	30
108-88-3	TOLUENE	20	17	5	85	***************************************	19	30
108-90-7	CHLOROBENZENE	20	17.5	5	87		19	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	94		92		52 - 151
1868-53-7	DIBROMOFLUOROMETHANE	50	98		95		61 - 134
2037-26-5	TOLUENE-D8	50	98	Live	95		57 - 135

Data Package ID: VL0208148-1

Date Printed: Thursday, September 12, 2002

Paragon Analytics Inc. LIMS Version: 3.104

Page 1 of 1

Percent Moisture

Method SOP642

Lab Name: Paragon Analytics, Inc.

Date Extracted: 08/29/2002 Date Analyzed: 08/29/2002 Analyst: Jason C. Kaufman Validated By: jck
Validation Date: 08/29/2002
Validation Time: 8:35:41 AM

Run ID	Prep Batch ID	QC Batch ID	Lab iD	QC Type	Dish Wt	Wet Wt	Dry Wt	Dish Wt- Dry Wt	Percent Moisture	Percent Solids
EX020828-5A	EX020828-5	EX020828-5-1	0208148-1	SMP	1.31	10.6	10.95	9.6	9.1	90.9
EX020828-5A	EX020828-5	EX020828-5-1	0208148-2	SMP	1.32	10.18	10.4	9.1	10.8	89.2
EX020828-5A	EX020828-5	EX020828-5-1	0208148-3	SMP	1.3	10.69	11.52	10.2	4.4	95.6
EX020828-5A	EX020828-5	EX020828-5-1	0208148-4	DUP	1.26	10.42	11.13	9.9	5.3	94.7
EX020828-5A	EX020828-5	EX020828-5-1	0208148-4	SMP	1.28	10.14	10.84	9.6	5.7	94.3
EX020828-5A	EX020828-5	EX020828-5-1	EX020828-5	MB	1.28	1.28	1.28	0.0	100.0	0.0
EX020828-5A	EX020828-5	EX020828-5-1	0208148-5	SMP	1.25	10.36	10.41	9.2	11.6	88.4
EX020828-5A	EX020828-5	EX020828-5-1	0208148-6	SMP	1.27	10.86	10.41	9.1	15.8	84.2
EX020828-5A	EX020828-5	EX020828-5-1	0208148-7	SMP	1.22	10.72	9.18	8.0	25.7	74.3
EX020828-5A	EX020828-5	EX020828-5-1	0208148-8	SMP	1.28	10.5	10.39	9.1	13.2	86.8
EX020828-5A	EX020828-5	EX020828-5-1	0208148-9	SMP	1.28	10.71	10.53	9.3	13.6	86.4
EX020828-5A	EX020828-5	EX020828-5-1	0208148-10	SMP	1.26	10.27	10.06	8.8	14.3	85.7
EX020828-5A	EX020828-5	EX020828-5-1	0208148-11	SMP	1.23	10.2	9.55	8.3	18.4	81.6
EX020828-5A	EX020828-5	EX020828-5-1	0208148-12	SMP	1.28	10.17	9.88	8.6	15.4	84.6
EX020828-5A	EX020828-5	EX020828-5-1	0208148-13	SMP	1.27	10.9	10.46	9.2	15.7	84.3
EX020828-5A	EX020828-5	EX020828-5-1	0208148-14	SMP	1.25	10.7	9.84	8.6	19.7	80.3
EX020828-5A	EX020828-5	EX020828-5-1	0208148-15	SMP	1.28	10.41	10.96	9.7	7.0	93.0
EX020828-5A	EX020828-5	EX020828-5-1	0208148-16	DUP	1.27	10.24	10.98	9.7	5.2	94.8
EX020828-5A	EX020828-5	EX020828-5-1	0208148-16	SMP	1.27	10.44	11.15	9.9	5.4	94.6
EX020828-5A	EX020828-5	EX020828-5-1	0208148-17	SMP	1.26	10.55	10.73	9.5	10.2	89.8
EX020828-5A	EX020828-5	EX020828-5-1	0208148-18	SMP	1.28	10.79	10.59	9.3	13.7	86.3
EX020828-5A	EX020828-5	EX020828-5-1	0208148-19	SMP	1.28	10.21	10.53	9.3	9.4	90.6
EX020828-6A	EX020828-6	EX020828-6-1	EX020828-6	МВ	1.27	1.27	1.27	0.0	100.0	0.0
EX020828-6A	EX020828-6	EX020828-6-1	0208148-20	DUP	1.28	10.82	9.6	8.3	23.1	76.9
EX020828-6A	EX020828-6	EX020828-6-1	0208148-20	SMP	1.26	10.55	9.56	8.3	21.3	78.7
EX020828-6A	EX020828-6	EX020828-6-1	0208148-21	SMP	1.26	10.37	10.88	9.6	7.2	92.8
EX020828-6A	EX020828-6	EX020828-6-1	0208148-22	SMP	1.28	10.21	11.07	9.8	4.1	95.9
EX020828-6A	EX020828-6	EX020828-6-1	0208148-23	SMP	1.27	10.77	10.36	9.1	15.6	84.4
EX020828-6A	EX020828-6	EX020828-6-1	0208148-24	SMP	1.26	10.29	10.52	9.3	10.0	90.0
EX020828-6A	EX020828-6	EX020828-6-1	0208148-25	SMP	1.24	10.73	11.1	9.9	8.1	91.9
EX020828-6A	EX020828-6	EX020828-6-1	0208148-26	SMP	1.28	10.42	10.53	9.3	11.2	88.8
EX020828-6A	EX020828-6	EX020828-6-1	0208148-27	SMP	1.27	10.22	10.24	9.0	12.2	87.8
EX020828-6A	EX020828-6	EX020828-6-1	0208148-29	SMP	1.26	10.73	9.98	8.7	18.7	81.3
EX020912-5A	EX020912-5	EX020912-5-1	0208148-28	SMP	1.3	10.44	11.36	10.1	3.6	96.4

Date Printed: Friday, September 13, 2002

Percent Moisture

Method SOP642

Lab Name: Paragon Analytics, Inc.

Date Extracted: 09/13/2002 Date Analyzed: 09/13/2002 Analyst: Craig Hults Validated By: CAH
Validation Date: 09/13/2002
Validation Time: 1:07:20 PM

Run ID	Prep Batch ID	QC Batch ID		QC Type					Percent Moisture	
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QC Types

Laboratory Duplicate
Laboratory Control Sample
Laboratory Control Sample Duplicate
Method Blank
Laboratory Matrix Spike
Laboratory Matrix Spike Duplicate
Field Sample

Comments:

DUP = Sample Duplicate

Wet Wt = Sample Wet Wt - Dish Wt

Dry Wt = Sample Dry Wt + Dish Wt

Dish Wt - Dry Wt = Sample Dry Wt - Dish Wt

All weight values shown above are expressed in grams.

APPENDIX C SURVEY DATA

Table 1 Survey Data, 23 August, 2002 Non Time Critical Removal Action At Site 12B Port Huneme, CA

Survey Point	Northing	Easting	Elevation	Location
1	1884253.95	6192523.00	3.79	SET BFN/FTHR
3	1884373.51	6192586.08	4.99	FD BFN FTHR
3	1884233.47	6192583.50	4.86	FD CN TIN
4	1884373.51	6192586.08	4.99	(R) NE COR
5	1884233.58	6192583.50	5.10	(R) SE COR
6	1884367.30	6192495.76	-0.97	AP BTM
7	1884355.20	6192494.50	0.24	AP BTM
8		6192486.18		AP BTM
9	1884348.82	6192485.51	0.20	W01-A
10	1884324.11	6192483.28		W02-A
11	1884316.89	6192483.58		AP BTM
12	1884315.68	6192503.09	0.21	AP BTM
13	1884305.68	6192503.07	-0.12	W03-A
14	1884295.02	6192503.26	-0.02	AP BTM
15	1884295.02	6192489.74	-0.44	W04-A
16	1884295.11	6192476.93	0.11	AP BTM
17	1884271.87	6192476.95	-0.11	AP BTM
18	1884270.80	6192495.62	0.78	AP BTM
19	1884268.16	6192496.18	0.12	AP BTM
20	1884267.78	6192475.86	-0.15	AP BTM
21	1884257.66	6192475.08	-0.09	AP BTM
22	1884255.77	6192503.28	0.26	AP BTM
23	1884255.77	6192503.28	0.26	W10-A
24	1884368.33	6192494.32	3.83	AP TOP
25	1884356.05	6192492.01	4.13	AP TOP
26	1884355.14	6192485.26	4.12	AP TOP
27	1884316.19	6192482.76	3.81	AP TOP
28	1884314.92	6192502.34	4.08	AP TOP
29	1884295.62	6192502.03	4.13	AP TOP
30	1884295.74	6192475.73	3.94	AP TOP
31	1884295.81	6192472.65	3.97	AP TOP
32	1884295.76	6192462.90	3.99	AP TOP
33	1884272.98	6192461.31	4.01	AP TOP
34	1884269.36	6192461.42	3.82	AP TOP
35	1884255.89	6192461.36	4.17	AP TOP
36	1884256.15	6192471.27	3.85	AP TOP
37	1884256.23	6192473.56	3.78	AP TOP
38	1884268.98	6192472.05	3.24	AP TOP
39	1884268.71	6192474.41	3.02	AP TOP
40	1884271.71	6192472.03	3.62	AP TOP
41	1884271.23	6192474.61	3.40	AP TOP
42	1884269.96	6192494.80	1.98	AP TOP
43	1884268.93	6192494.37	2.08	AP TOP
44	1884294.50	6192472.05	-0.78	AP BTM
45	1884294.61	6192463.54	-1.01	AP BTM
46		6192463.31	-1.10	W05-A
47		6192464.63	-1.09	F07-A
48	1884277.40	6192463.80	-0.74	F08-A

Table 1 Survey Data, 23 August, 2002 Non Time Critical Removal Action At Site 12B Port Huneme, CA

	1001077.50	0400400 00	0.70	IE00 A
49		6192463.68		F09-A
50		6192462.52	-0.43	AP BTM
51	1884275.02	6192472.17	-0.36	AP BTM
52	1884267.07	6192470.93	-0.37	AP BTM
53	1884267.70	6192462.17	-0.47	AP BTM
54	1884259.19	6192461.87	-0.62	W05_A
55	1884258.06	6192461.85	-0.50	AP BTM
56	1884257.67	6192471.01	0.14	AP BTM
57	1884254.34	6192502.43	4.06	AP TOP
58	1884217.19		4.41	AP TOP
59		6192580.06	4.44	AP TOP
60		6192581.65	3.91	AP TOP
61		6192572.95	3.69	AP TOP
62		6192569.29	3.52	AP TOP
63		6192525.85	3.21	AP TOP
64		6192525.07	2.96	AP TOP
65		6192519.76	3.34	AP TOP
66		6192524.59	3.11	AP TOP
67	1884367.44		-1.03	AP BTM
68		6192522.93	-0.89	AP BTM
69		6192519.28	0.53	AP BTM
70		6192519.01	-0.26	AP BTM
71		6192517.37	0.17	AP BTM
72		6192518.70	-0.25	AP BTM
73			-0.21	AP BTM
74	1884230.47	6192525.16	0.04	AP BTM
75		6192569.79	0.28	AP BTM
76		6192575.16	0.83	AP BTM
77	1884236.18		1.09	AP BTM
78	1884215.65		-0.43	AP BTM
79		6192579.06	-0.27	W16-A
80		6192579.06	-0.27	W17-A
81		6192562.75	-0.49	W15-A
82		6192539.28	0.05	W14-A
83		6192518.32	0.13	W13-A
84	1884217.41	6192503.04	0.03	AP BTM
85		6192503.76	-0.08	W12-A
86		6192503.41	-0.51	W11-A
87		6192618.73	4.64	AP TOP
88		6192621.24	5.07	AP TOP
89		6192592.07	4.59	AP TOP
90		6192592.20	4.66	AP TOP
91		6192584.65	4.73	AP TOP
92		6192585.12	3.65	AP TOP
93	1884244.79	6192579.41	3.64	AP TOP
94	1884313.70	6192579.80	3.50	AP DL
95	1884314.69		3.19	AP DL
96	1884302.16		1.80	W26-A
97	1884283.10		0.66	W24-A
98	1884282.60	6192584.31	0.69	W25-A

Table 1 Survey Data, 23 August, 2002 Non Time Critical Removal Action At Site 12B Port Huneme, CA

99	1884280.99	6192584.41	0.62	AP BTM
100	1884280.10	6192592.11	1.30	AP BTM
101	1884280.17	6192591.22	1.32	AP BTM
102	1884269.49	6192588.08	0.36	F23-A
103	1884263.97	6192590.33	0.81	AP BTM
104	1884262.10	6192619.64	1.24	AP BTM
105	1884259.74	6192613.71	0.87	F22-A
106	1884258.09	6192620.88	1.19	W21-A
107	1884232.47	6192617.37	-0.48	AP BTM
108	1884233.29	6192611.97	-0.35	W19-A
109	1884233.31	6192611.87	-0.38	W19-C
110	1884233.85	6192600.56	-0.23	AP BTM
111	1884234.42	6192592.81	1.60	W18-A
112	1884236.35	6192585.61	0.93	AP BTM
113	1884243.74	6192585.85	-0.13	AP BTM
114	1884244.45	6192581.74	-0.06	AP BTM
115	1884373.51	6192586.07	4.98	SHOOT BS NO 2

Notes:

Survey point locations are shown on Figure

BFN=Big Nail

FTHR = Feather (Plastic Brush Attached To BFN)

FD=Found

CN=Concrete Nail

COR=Corner

TIN=A Meal Disc Sometimes Colled A Shiner

NE-North East

SE-South East

BTM-Bottom

AP=Angle Point

W- Side wall sample

F- Floor Sample

TOP-Top of excavation

Coordinates and elevations were based on the survey

by CAL VADA Surveying, Inc. dated Dec. 18, 2001.

Table 2 In-Place Volume (Cubic Feet) Non Time Critical Removal Action Port Hueneme, CA

Area #	AREA =(Length) * (Width)	S.F.	VOLUME =Area * Depth	C.Y.	Depth
Α	(67E-6E) * (67N-8N) =	395.49	Area * (26 EL- 8 EL) =	57.44	3.92
В	(11E-71E) * (11N- 8N) =	1,225.32	Area * (27 EL- 11 EL) =	196.75	4.33
С	(14E- 71E) * (14N- 12N) =	291.75	Area * (28 EL- 12 EL) =	45.68	3.86
D	(45E- 71E) * (22N- 14N) =	2,112.60	Area * (29 EL- 14 EL) =	324.53	4.14
E	(22E- 72E) * (84N- 22N) =	591.55	Area * (57 EL- 22 EL) =	83.16	3.79
F	(72E- 76E) * (78N- 72N) =	1,094.66	Area * (59 EL- 78 EL) =	197.38	4.86
G	(76E- 107E) * (107N- 104N) - (5' * 30') =	1,210.86	Area * (87 EL- 107 EL) =	229.65	5.12
Н	(76E- 103E) * (103N- 99N) =	258.24	Area * (90 EL- 99 EL) =	38.68	4.04
J	5' * 30' =	150.00	Area * (91 EL- 99 EL) =	22.84	4.11
Total		7,330.47		1,196.11	

Notes:

E - Easting,

N - Northing

EL - Elevation

SF - Square Feet

CF - Cubic Feet

67E - Survey Point 67 Easting (Table 1)

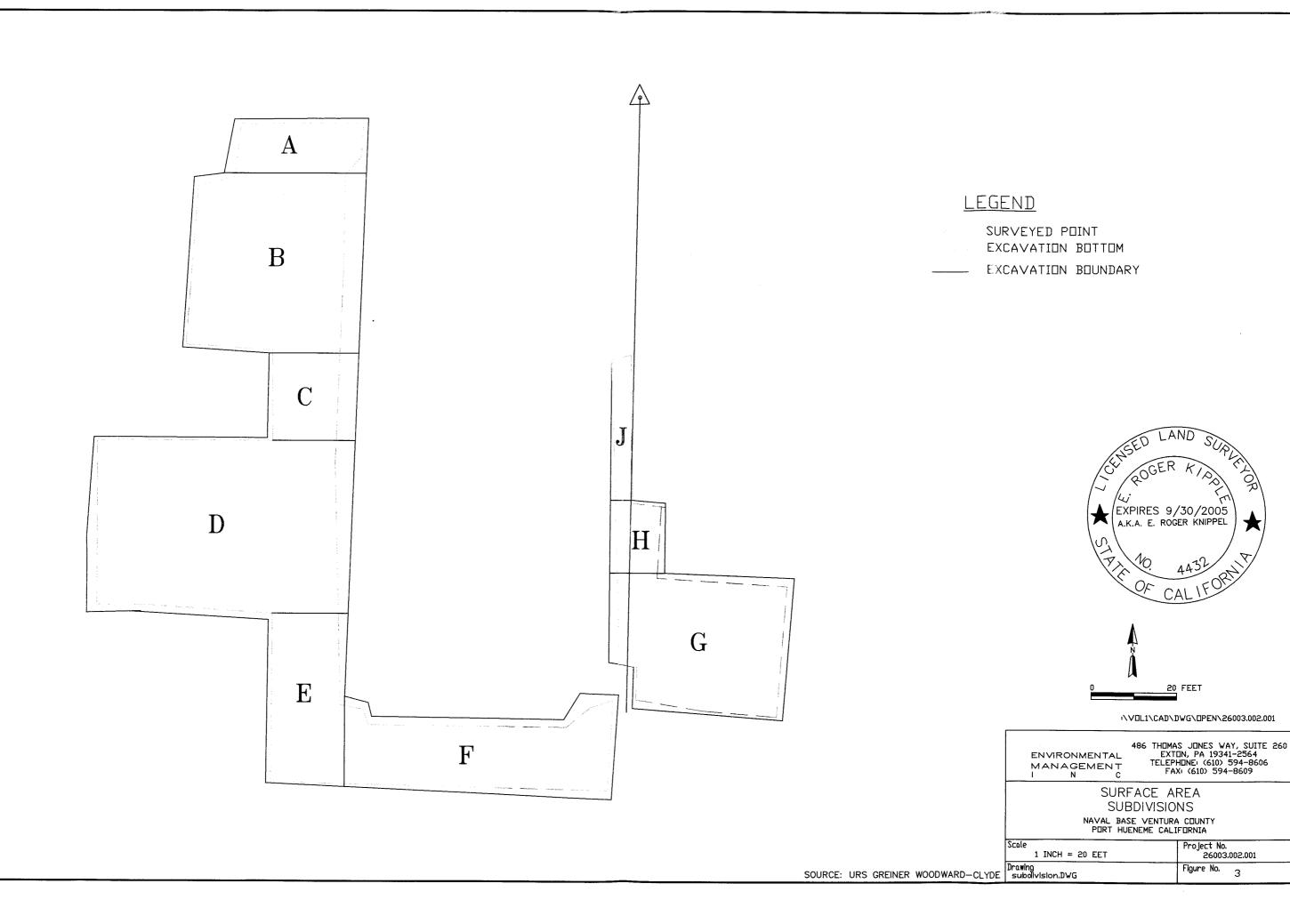
8N - Survey Point 8 (Table 1)

90EL - Survey Point 90 Elevation (Table 1)

A - Area shown on Figure A

5' * 30 ' = Area measured, survey data not vailable

C.Y.-- Cubic Yards



APPENDIX D COMPACTION TEST RESULTS

PACIFIC MATERIALS LABORATORY, INC.

September 9, 2002 Lab No. 30596-3 File No. 02-7596-3

Cape Environmental, Inc. Attn: Stephen Ip, CSST 14761 Bentley Circle Tustin, CA 92780-7226

SUBJECT:

Compaction Test Report - Structural Backfill

Site 12B

Port Huencme Construction Battalion Base

Port Hueneme, CA

Gentlemen:

Pursuant to your request and authorization, compaction tests were provided during structural soil backfill of Site 12B at the Port Hueneme Construction Battalion Base. The relative compaction of the soil backfill and surface base course was determined by a total of 15 compaction tests. The results indicate the backfill soils were compacted in accordance with the minimum project standards (a minimum of 90% relative compaction) and the base materials were determined to be compacted in accordance with minimum project requirements (95% relative compaction).

Site grading and backfill construction was performed by Cape Environmental, Inc., Tustin, CA. The excavation was reportedly the result of environmental remediation. This report documents the structural backfill activities only and does not include chemical or hazardous materials testing. Please find the following attachments included as an aid to the works performed:

- A plan view sketch of the subject property, pertinent soils engineering features and compaction test locations, is included as Enclosure A.
- □ Laboratory and compaction test data are included as Enclosure B.

GENERAL SITE PREPARATION

At the time of our initial observations, the excavated cavity measured ~4'-4.5' below the adjacent ground surface. Prior to structural backfill fill placement, the exposed surface of the excavated cavity was reportedly scarified 6 inches in depth, conditioned to slightly over optimum moisture content and recompacted to approximately 90% relative compaction prior to fill replacement. Imported fill sand was used for the backfill to reach the planned subgrade elevation.

P. O. Box 91, Camarillo, CA 93811-0091

phone: (805) 482-9801

fax: (805) 445-6551

GE 664

STRUCTURAL ARTIFICIAL FILL PLACEMENT

Clean structural quality artificial fill was placed in lifts of approximately 6 inches in thickness. Each lift was moisture conditioned to near optimum moisture content and subsequently compacted. Periodic compaction testing was then performed to verify the condition of compaction met or exceeded the standard (90% relative compaction). This random compaction testing process was repeated up to final pad elevation. Base materials were also tested for compliance (95% relative compaction).

Rough grading was performed using a JD 644 front end loader. Compaction was performed using a Cat CS-433C vibratory compactor. Water was added as necessary via a fire hose.

Laboratory compaction characteristics of native and import soils were prepared in accordance with ASTM D1557 testing procedures employing a *Rainhart* automatic tamper (Series 662). Compaction tests were performed in accordance with ASTM D1556 (sandcone method) procedures.

Laboratory compaction characteristics of imported <u>base</u> materials were prepared in accordance with State of California Test 216-F testing procedures. Compaction tests were performed in accordance with ASTM D-1556 (sandcone method) procedures.

Field data is presented on Enclosure A herein. It should be understood that field data, including density test locations and elevations, as well as the location of compacted fill, are only approximately located. The accuracy of our field technician's estimated locations will vary depending upon the survey control available at the time the estimations were made. No warranty as to the actual extent of the filled area, nor of its relationship to the location of planned structural improvements, is expressed or implied.

CONSIDERATIONS FOR FUTURE USE

This report documents structural backfill of the excavated cavity. Based on our periodic observations and testing, the area is considered geotechnically suitable for its intended use as a parking lot. In the event any structures are planned on or within 10 feet of the limits of excavation and backfill, a formal subsurface geotechnical investigation should be conducted prior to construction to provide specific foundation and grading recommendations.

Thank you for allowing *Pacific Materials Laboratory*, *Inc.* to be of service. If we may be of further service regarding this or other geotechnical issues, please do not hesitate to call (805) 482-9801, fax (805) 445-6551 or write.

Respectfully submitted,

PACIFIC MATERIALS LABORATORY, INC.

Read L. Andersen, RCE 60,725

Project Engineer

RLA:DCP;cmp cc: Addressee (3)

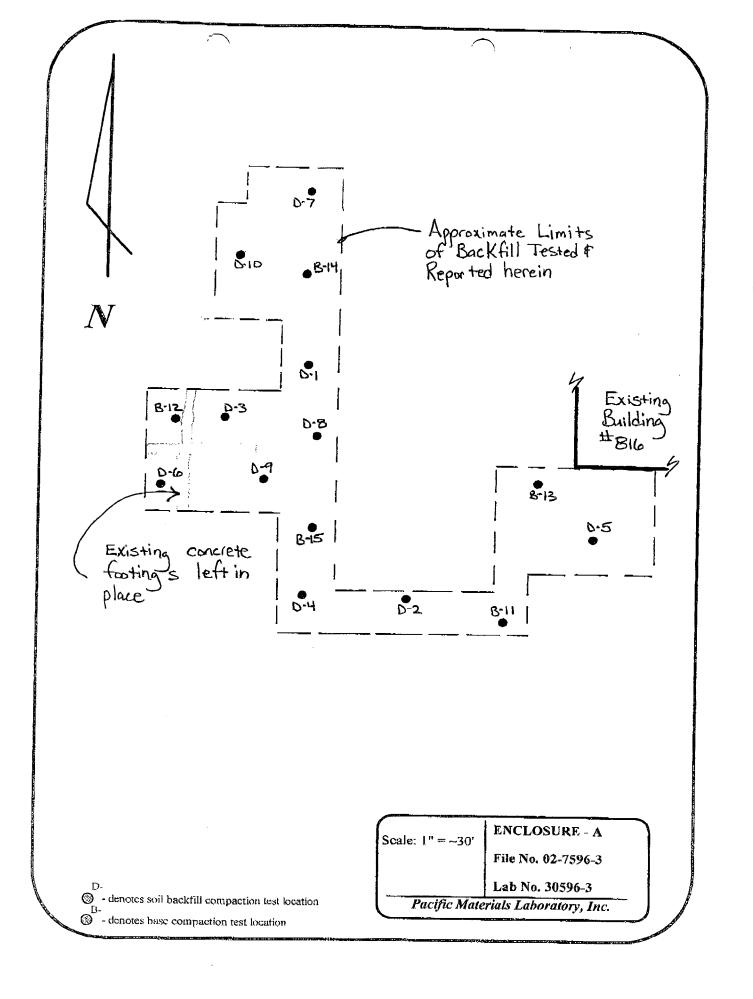
Attachments: Enclosures A and B

Douglas C. Papay, G

President

PACIFIC MATERIALS LABORATORY, INC.

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LABORATORY TEST DATA

LABORATORY COMPACTION CHARACTERISTICS (ASTM D1557)

Maximum density optimum moisture data was determined in the laboratory from bulk soil samples using ASTM D1557 procedures. The test uses a 4 or 6 inch diameter mold of 1/30 or 1/56 cfl. volume respectively. The soil is moistened to various degrees of saturation and compacted in 5-layers, using a 10-pound hammer falling 18-inches, and 25 or 56 blows per layer for 4 or 6 inch molds respectively. The test results are tabulated below.

SOIL <u>TYPE</u>	SOIL DESCRIPTION	MAXIMUM DRY DENSITY (lbs/cft)	OPTIMUM MOISTURE CONTENT (%)
1 2	Brown Silt & Sand w/Gravels Light Brown Sand (Import Fill Sand)	122.5 125.5	12,0 6.0

MOISTURE - DENSITY DETERMINATION

Maximum density optimum moisture data of untreated subbase and base materials was determined in the laboratory from a bulk soil sample using State of California Test 216-F. The test results are tabulated below.

SOIL	SOIL DESCRIPTION	MAXIMUM DRY	OPTIMUM
<u>TYPE</u>		DENSITY (lbs/cft)	MOISTURE (%)
3	Dark Gray-Brown Gravelly Sand (PMB)	122.0	13.5

EXPANSION INDEX TEST DATA (UBC Volume 3, Section 18-2)

An expansion index test was performed on representative near surface soil encountered. The expansion testing was performed in accordance with 1997 edition of the UBC Standards Test No.29-2. The test results are tabulated below.

SOIL TYPE	MOISTURE CONTENT (%)	FINAL MOISTURE CONTENT (%)	DRY DENSITY(lbs/cft)	EXPANSION INDEX	EXPANSION ^A <u>POTE</u> NTIAL
I	9.9	19.0	109,5	10	Very Low
A B. LIDGA	44 37 40 5 - 0 5 5				* Siy LOW

Per UBC Table No. 18-1-B "Classification of Expansive Soils"

COMPACTION TEST SUMMARY

COMPACTION TEST DATA - Unless otherwise indicated, all compaction tests were performed in accordance with ASTM D1556 (sandcone method) procedures. A minimum 90% relative compaction was required for soil backfill (tests 1-10) & 95% relative compaction for base

TEST	.	SOIL	ELEVATION OF	WATER CONTENT	DRY DENSITY	RELATIVE COMPACTION	RETESTED
<u>NO.</u>	<u>DATE</u>	TYPE	TEST (f)	(%)	(pcf)	(%)	BY NO.
i.	8-26-02	1	-4.3	13.6	112.7	92.0	<u> </u>
2.	8-26-02	1	- 4.0	10.5	111.9	91.3	
3.	8-27-02	2	-3 .0	4.2	122.5	97.6	
4,	8-27-02	2	-2.5	4.2	120.1		
5.	8-27-02	2	- 1.5	5.3	120.0	95.7	
6.	8-28-02	2	-1.0	7.5	114.5	95.6	
7.	8-28-02	2	-2.0	6.4	118.0	91.2	
8.	8-28-02	2	-3.0	6.4	118.0	94.0	
9.	8-29-02	2	-1.0	7.5	116.8	94.0	
10.	8-29-02	2	-1.0	7.5	117.9	93.1	
11.	8-29-()2	2	base surface	9.9	117.9	93.9	
12,	8-29-02	3	base surface	11.1		92.7	13
13,	8-30-02	3	base surface	13.6	112.0	91.8	14
14.	8-30-02	3			120.0	98,4	
			base surface	13,6	119.5	98.0	
15.	8-30-02	3	hase surface	13.0	118.3	97.0	

Footnotes: 1 Test elevations are only estimates based upon field staking, technician observations and the project plans,

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